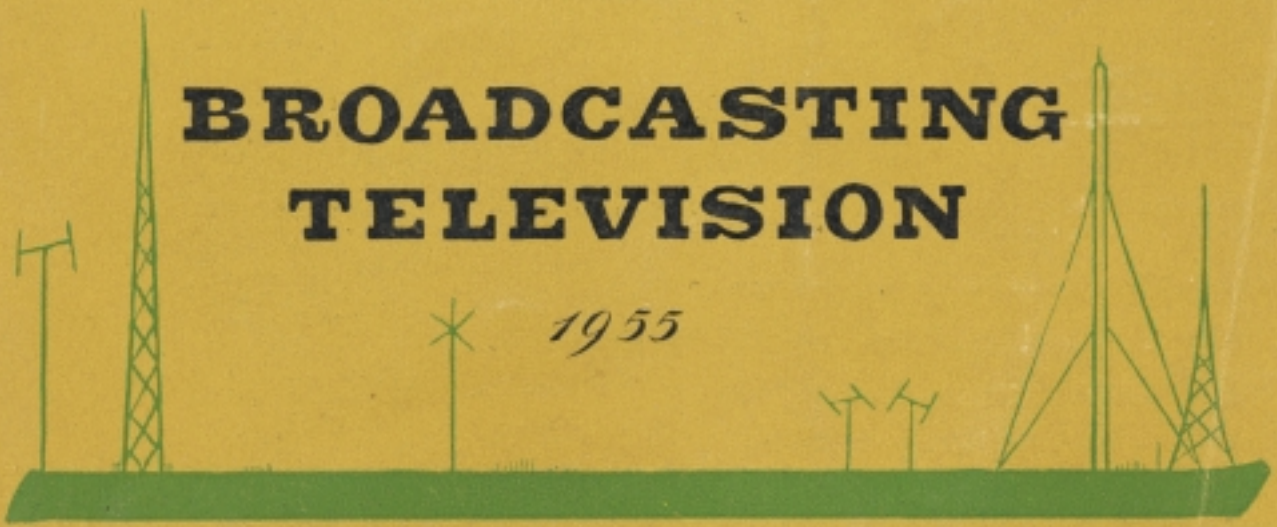
WORLD RADIO HANDBOOK

for listeners



BROADCASTING TELEVISION

1955

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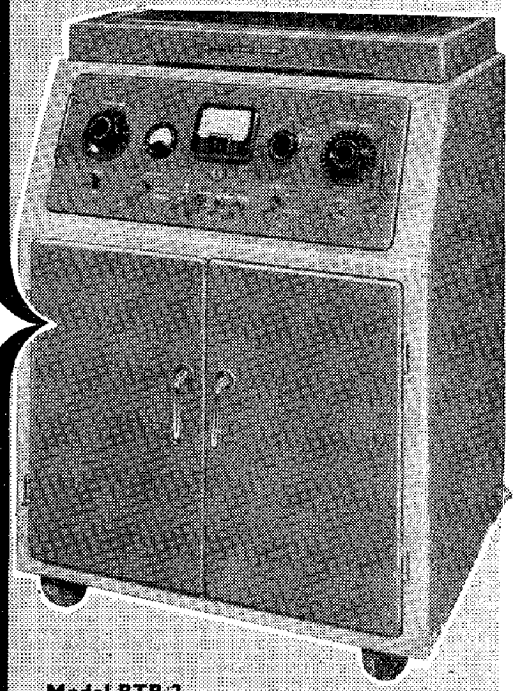

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EIRE: Radio Eireann.

FINLAND: The Finnish Broadcasting Company,

FRANKRIG: Radiodiffusion - Television Francaise.

GERMANY: Deutsche Welle. – Bayerischer Rundfunk. – Hessischer Rundfunk.–Nordwestdeutscher Rundfunk. – Süddeutscher Rundfunk. – Südwestfunk.

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GREECE: National Broadcasting Institute.

HOLLAND: Radio Nederland Wereldomroep.

HUNGARY: Hungarian Broadcasting Service.

INDIA: All India Radio.

INDONESIA: Radio Republic Indonesia.

IRAN: Radio Teheran.

ISRAEL: Israel Broadc. Service.

ITALY: RAI – Radio Italiana.

JAPAN: NHK – Broadcasting Corporation of Japan.

NORWAY: Norsk Rikskringkasting.

PAKISTAN: Radio Pakistan.

POLAND: Polskie Radio.

PORTUGAL: Emissora Nacional de Radiodifusao.

RUMANIA: Comitetul del Rad.

SAAR: Radio Saarbrücken.

SPAIN: Radio Nacional de Espana. – Sociedad Espanola de Radiodifusion.

SWEDEN: Swedish Broadcasting Corporation.

SWITZERLAND: Swiss Broadcasting Corporation.

TURKEY: Radio Ankara.

UNION OF SOUTH AFRICA: South African Broadc. Corp.

USA: The Voice of America.

VATICAN STATE: Vatican Radio.

More recommendations in separate pamphlet.

WORLD RADIO-TELEVISION-HANDBOOK 1955

including World-wide Radio WHO's WHO

Ninth Edition

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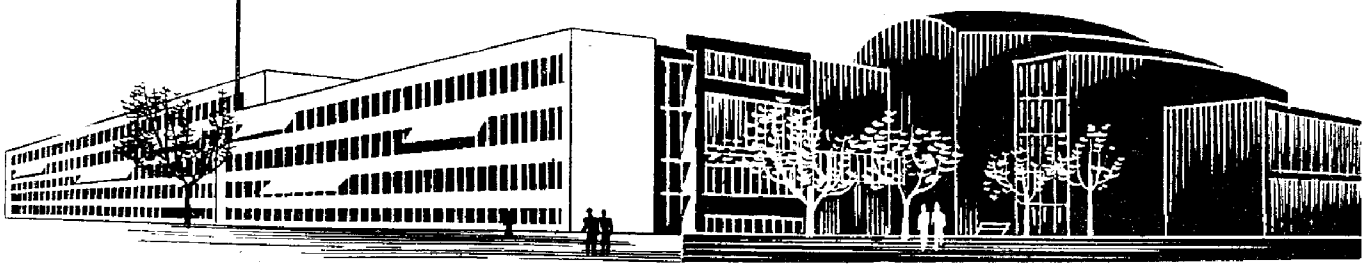

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Listeners all over the world are invited to send reception reports together with their criticisms and programme suggestions to

the **SHORTWAVE DEPARTMENT, RADIO HOUSE, COPENHAGEN V., DENMARK**

Answer by letter or QSL-card

PREFACE

In preparing the ninth edition of WRH, the ever-growing interest evinced by radio corporations in this publication has been noted with pleasure. Nearly all the radio organisations in the world now contribute to WRH, and more and more of them use WRH as a propaganda medium for their countries and their broadcasts. In consequence a considerable enlargement of this edition has proved necessary. This, coupled with continually rising costs, has made it necessary slightly to increase the sales price, but this far from covers the extra expenditure involved.

Cooperation with certain Latin American countries' broadcasting organisations is still lacking, but I trust that the next edition—the tenth—will be complete in this respect also, so that WRH's jubilee, which coincides with the 10th anniversary of the founding of the United Nations Organisation, will be perfect in every respect.

The road to this target has been long and difficult, but the growing interest shown year by year has been a souce of encouragement and a spur to continue. The tittl page of this edition bears witness to the good cooperation with the radio corporations all over the world, but, unfortunately, it has not been possible to mention all those who recommend the work and aims of WRH. However, they are referred to in a special pamphlet that will be sent on request.

My thanks are also due to the United Nations, UNESCO, the European Broadcasting organization of Geneva, the International Broadcasting organization of Prag, and the Danish Society for their assistance in the past year, and to the many listeners the world over who have contributed to WRH, and thus given proof of their faith in its mission and value.

Many new radio and television stations have been included in this edition, and a survey of language broadcasts and the growing extent of the short wave table have entailed a three-column arrangement.

O. Lund Johansen.

The Editor of World Radio Handbook seeks information from all stations engaged in broadcastings and interested in international broadcasting and publish the information as they communicated to him by the stations. The Editor cannot be held responsible for the correctnes of these information or for the not publishing schedules and other particulars of stations, which do not supply the information or for changes in the times and wavelengths of programmes made after the current edition has gone to press.

THE LATEST NEWS

The **WORLD RADIO BULLETIN** carries every fortnight the latest news from broadcasting stations all over the world: New stations, changes of frequencies, new frequencies, changes of powers, new schedules and corrections to the content of the World Radio Handbook – Subscription–rates:

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Annually: £ 1/15 $ 5.00 DM 20.00 Dan. Kr. 32.00	21/– d, $ 3.25, DM. 15.00 Dan. Kr. 21.00
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Payment by: International money order, IRC, cheque or Dollars, The bulletin can be obtained from: WORLD RADIO HANDBOOK, Lindorffsalle 1, Hellerup, Denmark.

Around the World

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The Voice of America

On the air daily in 38 language services

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world-wide news •

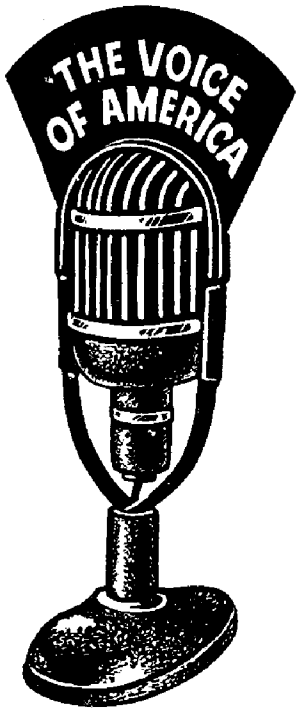
informative commentaries •

education and science •

questions and answers •

cultural programs •

significant interviews •



See Voice of America program listing on page 106.

Program schedules and frequency listings are also available at offices of the U. S. Information Service, United States embassies and consulates.

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Monthly sunspot numbers
News

(for full information see page 64–65)

Message from the United Nations to Listeners

by Mr. Benjamin A. Cohen

Assistant Secretary-General of the United Nations in Charge of the Department of Public Information.

Benjamin A. Cohen

We live in a world of transition and change. Upon our individual daily lives, in the formulation of national policies and in the adjustments required among the members of the world community, we feel the impact of the thoughts and actions of men physically unrelated to us. The continuous interplay of spiritual values leads peoples and nations towards growing integration and the overall concept of a single physical and moral world commends itself to us. We are no longer—as individuals or as nations—isolated islands unto ourselves. We are living in the age of communication.

For long ages, to communicate with men outside one's own small community and come to see that they also had their own important interests, and traditions, and attitudes, was difficult, almost impossible. Even today, one hears of villages in a great country where the people of a hamlet five miles away are still spoken of, by older persons, as "foreigners". The growing interdependence of life, in almost all aspects, is doing much to combat such an attitude; but that pattern of thinking is still more deeply imprinted on many minds than individuals realize. Ignorance, misunderstanding, prejudices and resentments, popular anger, incidents, uprisings, war—that is the fatal devilish chain which, in a sense, made all our forebears prisoners of war—prisoners of the institution of war. With all this in mind, it is no longer possible to set too high a price on the new means of mass communication, the tools fashioned in our own days for workers in the field of understanding. Explain them even in terms of physics and they still remain miracles.

When you meet a friend and say, "Hello, How are you?", he hears your words and so does any passer-by. Then they fade into the air, or the wind sweeps them to nothingness down the street or across a field. If, on the other hand, you sit in front of a broadcaster's microphone and say, "Greetings, everybody", the instrument, true to its name, picks up these small sounds and passes them to transmitters capable of carrying them round the world in one-seventh of a second. Potentially you have greeted the whole human race.

Again, if you sit at home and turn a button on one of those magic talking boxes, you yourself can go round the world in eighty seconds. A communique read in Graustark, a band playing in Ruritania, a girl singing in Atlantis; these are a few of the snatches of programs that reach your ear. Still by your own hearth, you may bring on a screen images of far-off happenings, from orators in full euphoria, dramatic performances, footballers at play, funny men, ballet dancers and the majesty of great coronation ceremonies.

Radio, familiar to untold millions everywhere, and television to many millions in fewer countries,—what do they mean in 1955? In the first place, that mankind has abolished many of the awkward consequences of distance and separation and has thus reached a point on the spiral of history above, and not unlike that where we stood 2,500 years ago, when all citizens could be present at town meetings and themselves have a direct voice in the conduct of public affairs. Now that the world, whether we like it or not, has become one place, where the actions of any state affect in some degree all the rest, listeners and viewers are in a position to be present aurally, perhaps even visually, at any great centre of human activity from a General Assembly meeting to the Olympic Games. They should be counted among those best able to understand something of the complex interplay of forces at work in the world and therefore best able to grasp what attitudes and actions make for the general good.

In this regard, however, two facts must be remembered. First, almost all of us who hear broadcasts or watch television have some choice over the kind of sounds and images to which we open our minds and over the way in which they affect our thinking and our actions as citizens and as human beings. In the words of Marcus Aurelius, "The soul is dyed by the thoughts", and these programs that come through the air offer a remarkable selection of dyes. The listening and viewing habits of countless millions of men and women cannot fail to play a significant part for better or for worse in the social and political developments of our times. The second fact is that radio and television are simply means to serve certain ends. Used responsibly and imaginatively to bring the public the best in all fields, they can have an incalculable and lasting influence for good. In unwise hands, their effect could be the reverse.

So it is with the United Nations. The organization is an instrument to be used by Member States to help them achieve, through its machinery for international co-operation, the lofty but eminently practical purposes for which it was created. All the year round, broadcasts and television programs, prepared by the United Nations Department of Public Information for use by national and local services throughout the world, give a balanced, straightforward account of what is being attempted, of setbacks and of progress. To those of us who work on these programs the comments of listeners and viewers, critical or otherwise, are of the greatest value. Our first thought for them is of warm appreciation for their help in sending reports. Our second thought centres on the firm hope that, since the United Nations, like any other instrument, such as radio or television, will function only as wisely and effectively as the people handling it are wise and forthright, they will see in 1955 still more steps towards the goal of a decent peaceful life for everyone.

Message from the United Nations Benjamin A. Cohen

DEUTSCHE WELLE

Kurzwellendienst der Arbeitsgemeinschaft der öffentlich-rechtlichen Rundfunkanstalten der Bundesrepublik Deutschland

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AFRICA

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Funkhaus NWDR, Wallrafplatz, Germany

Detailed reports are answered by QSL card

Please refer to page 40 for details

HOW TO USE THE WORLD RADIO HANDBOOK

The practical information given in the following section in respect of the broadcasting services of each individual country includes:

The Addresses of the broadcasting companies in question. Where broadcasts are commercial this is stated.

Names and Titles of the leading personalities in each company.

List of Stations operated by each company with call signs of their transmitters, all frequencies and wavelengths (medium- and shortwaves), as well as their power expressed in kilowats or Watts.

Each short-wave station has its own identification call sign consisting of 3–5 letters or a combination of letters and figures of which the first, or two first, denote the nationality in accordance with the international list of station prefixes. (See page 146.) Some short-wave stations, the American for example, use these call-signs when announcing themselves.

Long and medium wave stations are divided into three categories, viz. (1) **Main Stations**, which are so powerful that they can generally be heard throughout the whole area of the country in question, and from which most of the broadcasts emanate; (2) **Regional Stations**, which can be heard only within a certain area of the country, and whose broadcasts consist partly of re-transmissions of the programmes of the main stations and partly of their own programmes; (3) **Relay** and **Local Stations**, which mostly re-transmit main station programmes. These relay stations are the weakest, and are local stations which can be heard only within a limited area; The above-mentioned stations are all **AM stations**, i.e. amplitude-modulated stations. In addition, there is a fourth category of station: 4) FM stations, i.e. frequency modulated stations, in order to give listeners a reception free of interference. These stations have only a very short radius, and are consequently local stations. The wavelength is expressed in megacycles, whereas the frequencies of AM stations are expressed in kilocycles (see section: Frequency and Wavelength).

Most short wave stations use directional aerials, i.e. their broadcasts are directed toward particular areas, and these give the names to the various services: European Service, Near Eastern, Middle Eastern, Far Eastern, Pacific, Latin-American, Caribbean Service, etc. Language and frequency employed vary according to the area to which broadcasts are directed.

Times are shown on the 24 hours system. In this system midnight is 00.00 hrs., 3 am: 03.00 hrs., 10 am: 10.00 hrs. and midday 12.00 hrs. Instead of starting again at 1 o'clock, as the 12-hour system does, the 24-hour system continues to increase the number of each hour until 23.59 (11.59 pm.) is reached. Thus 13 hrs. is 1 pm., 17.00 hrs. 5 pm. and so on. The great advantage of the system is that it eliminates any possible confusion between times a.m. and times p.m.

Frequency and wavelength. Frequency and Wavelength are divided into the following groups: **Long waves** with frequencies from 133 kc/s (1961 metres) to 500 kc/s (600 metres). **Medium waves** with frequencies from 500 kc/s (600 metres) to 3000 kc/s (100 metres). **Short waves** with frequencies from 3000 kc/s (100 metres) to 30000 kc/s (10 metres).

The wavelength of a station is measured in metres, a metre being approximately $1^1/_{10}$ yards. The wavelength is the distance in metres between the crests of any two consecutive waves. For every wavelength there is a corresponding frequency, which is the number of complete waves, or cycles, sent out by a station in every second. A kilocycle is 1000 cycles; a megacycle 1.000.000 cycles.

There is a simple relationship between these quantities as both wavelength and frequency are determined by the velocity of propagation of radio waves in space; this relationship is:
Wavelength = Velocity/Frequency; or Frequency = Velocity/Wavelength

As the velocity of propagation in space is, in round figures, 300.000.~~000~~ metres per second, any of the quantities—metres, kilocycles or megacycles—are readily converted into the other forms by means of the following formulae:

Metres to Kilocycles	**Metres to Megacycles**
Metres = 300,000/Frequency (kc/s)	Metres = 300/Frequency (Mc/s)
Kilocycles to Metres	**Megacycles to Metres**
kc/s = 300,000/Wavelength (metres)	Mc/s = 300/Wavelength (metres)

Shortwave broadcasting takes place mainly on the following metre bands (m.b.):

49 metre band – 41 metre band – 31 metre band – 25 metre band – 19 metre band – 16 metre band – 13 metre band and 11 metre band.

Many short-wave stations lie outside these bands. The 60 and 80 metre bands are used for local broadcasting, i.e. for reception over relatively short distances, which applies, for example, to many South and Central American stations and stations in Central Africa.

Broadcast receivers have their tuning scales calibrated in metres, kilocycles, megacycles or with the names of the principal stations. Metres or kilocycles markings are as a rule used on the medium- and long-wave bands, while metre bands, kilocycles or megacycles are used on the short waves.

In the following pages you will find a large variety of call-signs and frequencies. In many cases these belong to the same transmitters which are connected to different aerials designed to radiate signals to the best advantage in respect of each service. The various call-signs serve to identify individual transmissions.

Many programmes are broadcast simultaneously from several transmitters on different frequencies, which enables you to select the one which is the most clearly audible in your area or on your particular receiver. If reception on one of the frequencies used is poor, you should examine reception conditions on the other frequencies employed by the same station. On page 21 you will find a table of the most suitable

metre bands for best short-wave reception in every part of the world at various times of the day throughout the year 1955.

Power specification of radio transmitters: Generally speaking the specified power of a radio station is the power delivered by the transmitter to the antenna. In normal cases a major part of this power is radiated (depending upon losses in the antenna) for the benefit of listeners. On long waves the radiation is almost uniform in all directions. On medium waves directivity may be provided for, for instance in order to reduce interference between cochannel stations. In such cases the field strength is amplified in certain directions and suppressed in other directions.

On short waves directive transmitting antennae are commonly used, the power amplification being 10–30 in the desired direction.

Daily Programmes: Under this heading you will find information concerning the total broadcasting hours on the different frequencies employed during transmission hours, as well as a survey of the news.

Announcements: The language alone is not a conclusive indication of the origin of a broadcast to which you may be listening. Hearing a programme in French or Spanish, for instance, does not necessarily mean that it is transmitted by a French or Spanish station respectively. To make sure of identifying a station correctly, it is, therefore, essential to wait for the announcement which every station broadcasts at regular intervals. These call signs are given in this book for practically all the stations listed.

Interval-Signals: For identifying stations it is also of importance to know the signals used during the intervals between programme items. Under each station you will, therefore, find a indication of the type of signal used, and in many cases a reproduction of the musical notes of this signal.

QSL-Cards. As indicated in the survey of the broadcasting services of the various countries, many of the stations listed are interested in receiving reports from listeners in respect of their transmissions. These stations acknowledge reports by sending listeners a QSL- (verification) card or a letter. For most of these stations it is stated whether reports are answered by QSL card or letter and if return postage is required. Many short-wave listeners make a hobby of collecting these QSL-cards which are often elaborately designed and colourful, sometimes with pictures of the station and its location, photos of the personnel, and other interesting particulars.

Reports from Listeners: Listeners' reports can in most cases be written in English, but Spanish is preferable when writing to South or Central American stations.

Report of Reception. I heard your station on the (date) from—to—(GMT, EST, CST or PST) on kc/s. **The strength** (varied (fading QSB) or was steady) and (just audible QSA1, weak QSA2, rather good QSA3, good QSA4, or excellent QSA5)—(with no disturbances; with disturbances from atmospherics QRN; with interference from broadcasting stations or telegraph stations QRM).

My receiver is a with tubes.

My antenna is of the type, feet long, outdoors or indoors.

Details of Programme: F. inst. announcements, languages, symphony, jazz or dance orchestra, classical popular, native etc. music, interval-signal, man or woman.

Remarks or suggestions: ..... **My address:** .....

If reply postage is requested by a station, enclose with your reports an International Reply Coupon obtainable at most post offices. The full address of each station will be found in the individual surveys.

Local Time Conversion:

On page 16 you will find a Local Time Conversion Table which gives the local times (summer and winter) in most parts of the world in relation to Greenwich Mean Time (G.M.T.). For example, from September to May it is 15.00 hours New York time when it is 20.00 hours G.M.T., since the table indicates that local time in New York is 5 hours ahead of G.M.T. From May to September U.S.A. introduces day-light saving time and, consequently, it is 16.00 hours New York time when it is 20.00 hours G.M.T.

How to tune in your favourite short-wave station:

It requires some practice to adjust receivers correctly to a short-wavestation. A movement to either side by a mere hair's breadth may give the correct adjustment. Once the station has been found, it must be finely adjusted by gently turning the dial knob backwards and forwards, simultaneously increasing the volume until the station in question can be heard distinctly, and identified. If the tuning knob is turned too quickly, a weak station may easily be passed over.

Reception conditions for short waves can be very caprious. After listening to a far-distant station for a short time, it may suddenly disappear completely (fade) and not return immediately.

Some broadcasts are often transmitted on several wavelengths simultaneously. If after adjusting your receiver to the station to which you wish to listen, you find reception unsatisfactory, try the other wavelengths used by the same station during the period in question.

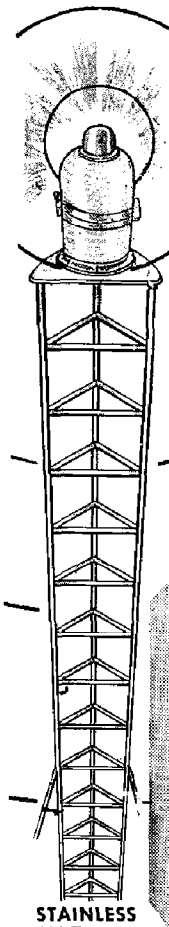
How to identify a short-wave station:

Whenever you come across a station which is unknown to you, proceed as follows for identification: Read the approximate frequency indicated on your dial in megacycles or kilocycles or the wavelength in metres. Find from the table of frequencies and wavelengths what station are working in the neighbourhood of the reading shown by your dial. When you have reduced the source of the broadcast to one or two possibilities and at the same time noted details of the program heard and the language used, check these data against the program surveys printed in this Handbook. For confirmation it is advisable to wait for the station announcement or interval signal mentioned previously.

Television: For information about television stations please refer to page 138.

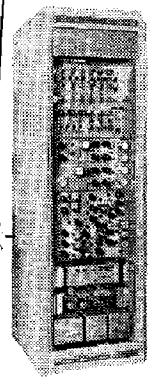
World Wide Acceptance!

ROCKE BROADCASTING EQUIPMENT

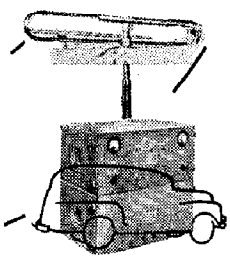


STAINLESS
AM Tower

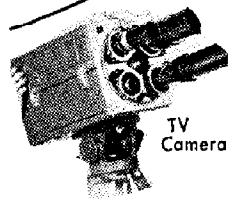
AMPEREX
Air-Cooled
Transmitting
Tube



POLARAD
Color Bar
Generator

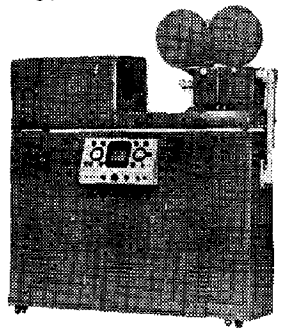


RADIO ENGINEERING
LABORATORIES
Mobile Transmitter Link
for on-the-spot
broadcasts



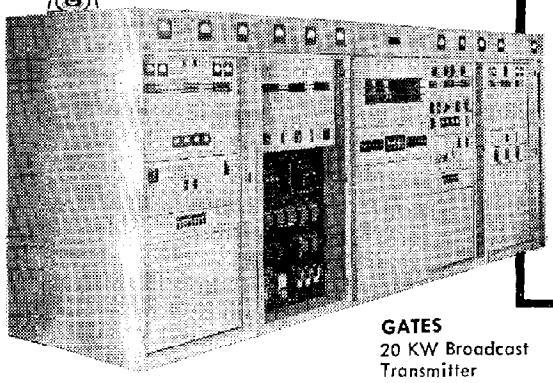
TV
Camera

GENERAL PRECISION
LABORATORY



GENERAL
PRECISION
LABORTORY

Video
Recording
System



GATES
20 KW Broadcast
Transmitter

ROCKE offers complete range of broadcasting equipment, from the speech input systems to powerful broadcast and TV transmitters — products of the foremost American manufacturers, each an established and respected name in a particular phase of the broadcasting field. Backed by extensive research and manufacturing facilities of the Rocke Associated Factories and a world-wide experienced sales engineering organization, trained to serve your needs ROCKE is the best choice for DEPENDABILITY, SERVICE and ECONOMY.

ROCKE COMPLETE LINE INCLUDES

Equipment of the Following Well Known American Manufacturers

- **AMPEX ELECTRIC CORPORATION**
  — foremost manufacturer of professional Magnetic Tape Recorders in universal use by broadcasting stations and recording studios. Advanced design and precision workmanship make Ampex the leader in this field. Various console and portable models available for heavy duty service Automatic Programming System.

- **AMPEREX ELECTRONIC CORPORATION**
  — a complete line of transmitting and rectifying tubes for radio broadcasting.

- **ELECTRO-VOICE, INC.**
  — is a foremost supplier of microphones for television and broadcasting networks, communication equipment, and public address installations. Electro-Voice has specialized for many years in the manufacture of fine microphones, and is the leader in the field today.

- **GATES RADIO COMPANY**
  — leader in sales of AM broadcasting equipment. Now in its 31st year of business, GATES is the largest supplier of AM radio broadcasting equipment in the U.S.A. Gates manufactures complete equipment for AM & FM broadcasting, television transmitters, studio equipment, audio amplifiers, monitors, and a full line of broadcast transmitters from 250 watts to 50 KW.

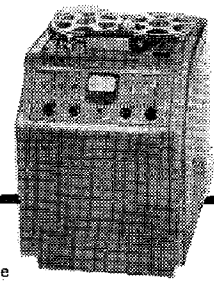
- **GENERAL PRECISION LABORATORY, INC.**
  — television camera chains for local and remote control, studio equipment. Video recorder for reproduction on film of TV program material — used in conjunction with GPL Rapid Film Processor to produce finished sound film within less than 60 seconds after live program.

- **POLARAD ELECTRONICS, CORPORATION**
  — has attained recognition as a leader in the design, development and manufacture of television studio equipment. The ever-growing list of Polarad television and industrial installations in the United States and abroad attests to its world-wide leadership. Polarad products include microwave signal generators, color bar generators, color synchronizing generators, color video monitors, wave form monitors, spectrum analyzers, micro power meters and many other items for laboratory work.

- **RADIO ENGINEERING LABORATORIES**
  For remote broadcasts, REL Mobile Link Equipment, operating in either the 150-175 Mc/s or 890-960 Mc/s bands offers proven dependability and noise-free high-fidelity performance.

- **STAINLESS, INC.**
  — Towers and arrays incorporating the most advanced designs. All welded tubular members offer distinct advantage of less wind resistance and greater structural stiffness than the old angle iron type towers. Guyed or self-supporting, insulated or non-insulated. Towers up to 1700 feet.

Rocke International is the Export Sales Division for the above manufacturers, with an organization, reaching every free country in the world. Branches in: Paris, London, Brussels, Turin, Zurich, New Delhi, Bombay, Madras, Manila, Beirut, Mexico City, Havana, Caracas, Sao Paulo, Buenos Aires, Costa Rica, Puerto Rico. Write for the address of your nearest ROCKE office or representative.



AMPEX
Magnetic Tape
Recorder Console

Write for catalogs, price delivery and other information to:

ROCKE INTERNATIONAL CORPORATION

13 EAST 40TH STREET, NEW YORK 16, N. Y., U. S. A.

CABLES: ARLAB, New York, N. Y.

RADIO NORWAY

maintains a daily short wave service, which is directed to all parts of the Globe. Each section is of one hour's duration.

These programmes are first and foremost aiming at keeping Norwegians abroad, the men on board the Norwegian Merchant Marine and friends of Norway everywhere informed about what is going on in Norway, but the last twenty to twentyfive minutes of each one hour transmission will usually consist of Norwegian music or music by Norwegian artists. This musical section is introduced in Norwegian as well as in English. The vocal parts of the transmissions are given in Norwegian, but station identifications in English are given every fifteen minutes. Every Wednesday and Sunday we have a letter box programme, in which we play our listeners' request records. Just write to RADIO NORWAY, Oslo, Norway. These special transmissions are sent out six times a day.

Every Sunday we have a twenty minute addition in English to each of the one hour special programmes. It is called »Norway this Week«, and we are there trying to present Norway in small glimpses from the cultural, economical and political life in our country. For technical details turn to page 56 in this book.

SOCIEDAD ESPAÑOLA DE RADIODIFUSION (S.E.R.)

Oficinas Centrales: Avenida de José Antonio, 32. Madrid. España.

Emisoras que integran la Cadena radiofónica comercial SER.

EAJ 1 Radio Barcelona.
Caspe, 12.

EAJ 3 Radio Valencia.
Don Juan de Austria, 5.

EAJ 4 Radio Galicia.
Plaza de la Universidad, 5.
Santiago de Compostela.

EAJ 5 Radio Sevilla.
Rafael González Abreu, 4.

EAJ 7 RADIO MADRID
Avenida de José Antonio, 32.

EAJ 8 Radio San Sebastián.
Avenida de España, 27.

EAJ 11 Radio Reus.
Arrabal de Santa Ana, 50.

EAJ 28 Radio Bilbao.
Rodríguez Arias, 8.

EAJ 31 Radio Alicante.
García Morato, 55.

EAJ 54 Radio Alcira.
Plaza del Caudillo, 51.
Alcira (Valencia).

Radio Mediterráneo (O.C.)
Avenida del Marqués de Sotelo, 2.
Valencia.

EAJ 13 Radio Mallorca.
Paz, 12.
Palma de Mallorca.

EAJ 14 Radio Castellón.
Moyano, 1.
Castellón de la Plana.

EAJ 16 Radio Granada.
Gran Vía, 27.

EAJ 17 Radio Murcia.
Plaza de Cetina, 2.

EAJ 22 Radio Huesca.
San Salvador, 19.

EAJ 23 Radio Gandía.
San Pascual, 15.

EAJ 27 Radio Castilla.
Espolón, 40.
Burgos.

EAJ 32 Radio Santander.
Palacio del R. C. Regatas.

EAJ 40 Radio Pontevedra.
Peregrina, 33.

EAJ 41 Radio Coruña.
Fontán, 3.

EAJ 44 Radio Albacete.
Pasaje de Lodares, 4.

EAJ 47 Radio Valladolid.
General Mola, 1.

EAJ 50 Radio Las Palmas.
Triana, 134, bis.
Las Palmas de Gran Canaria.

EAJ 52 Radio Extremadura.
Teniente Coronel Yagüe, 2.
Badajoz.

EAJ 56 Radio Salamanca.
Rosa, 2. (Gran Vía).

EAJ 58 Radio Jerez.
Angustias, 11.

EAJ 61 Radio Jaén.
Bernabé Soriano, 18.

EAJ 62 Radio Vitoria.
Postas, 19.

EAJ 65 Radio Ciudad Real,
Avenida de los Mártires, 10.

EAJ 72 Radio Zamora.
San Torcuato, 20.

Radio Internacional.
Goya, 34 (Tánger).

UNESCO RADIO

While the distribution of Unesco's transcriptions in the form of talks and documentaries has expanded considerably during 1954, a greater emphasis has developed along the lines of seeking listener reaction. To get a clear idea of the impact of Unesco programmes in over 100 countries and territories throughout the world is an undertaking which requires a good deal of time and patience. At this stage the practice has been developed of supplying catalogues and texts of programmes to radio organizations and of supplying the actual transcriptions upon request. There is abundant evidence at present of an increasing demand for such transcriptions around the world. An English series of 13 documentaries, for example, has been requested by 71 Australian commercial stations as compared with 57 stations in that country in 1953. United Nations Radio in New York also undertakes distribution of Unesco documentaries throughout the United States and among a number of stations in Canada.

Some 28 radio organizations throughout the French Union broadcast the greater part of the material supplied to them, while the main stations in Germany and Austria have shown an increasing interest in German language programmes. The number of stations in Spanish-speaking countries which use Unesco material has increased to the point where it has been found necessary to process discs on microgroove in order to cope with the problem of multiplicity of copies.

Because of the limited staff and budget, it is seldom possible to produce many programmes in those national languages which are normally spoken only in one or two countries. In these cases the text in English or French is supplied for local adaptation. Some countries which have shown particular activity in adapting these texts during 1954 are Japan, Israel, Indonesia and Thailand. In India, Pakistan and Ceylon also, some progress has been made in adapting Unesco texts into regional languages such as Tamil, Hindi and Urdu. An example of an adaption into a multiplicity of languages was the musical programme "The Canticle to Hope" which was broadcast in 66 countries and territories in a total of 10 languages: English, French, Spanish, German, Norwegian, Swedish, Danish, Hebrew, Serbo-Croat and Japanese.

Besides such feature documentaries and folk music programmes, which are normally reproduced in French, English, German and Swedish, a regular weekly 5-minute commentary entitled "Hier spricht Unesco" is distributed in German-speaking countries and a weekly commentary, "Le Chronique de l'Unesco", is regularly broadcast throughout the French Union.

While it has been found that most countries throughout the world prefer ready-made programmes in transcription form, some radio organizations are prepared to build programmes on Unesco themes in their own studios and according to their special needs. In these cases Unesco Radio relies upon special arrange-

Continued page 18.

CBC

INTERNATIONAL SERVICE

RADIO CANADA

TENTH ANNIVERSARY

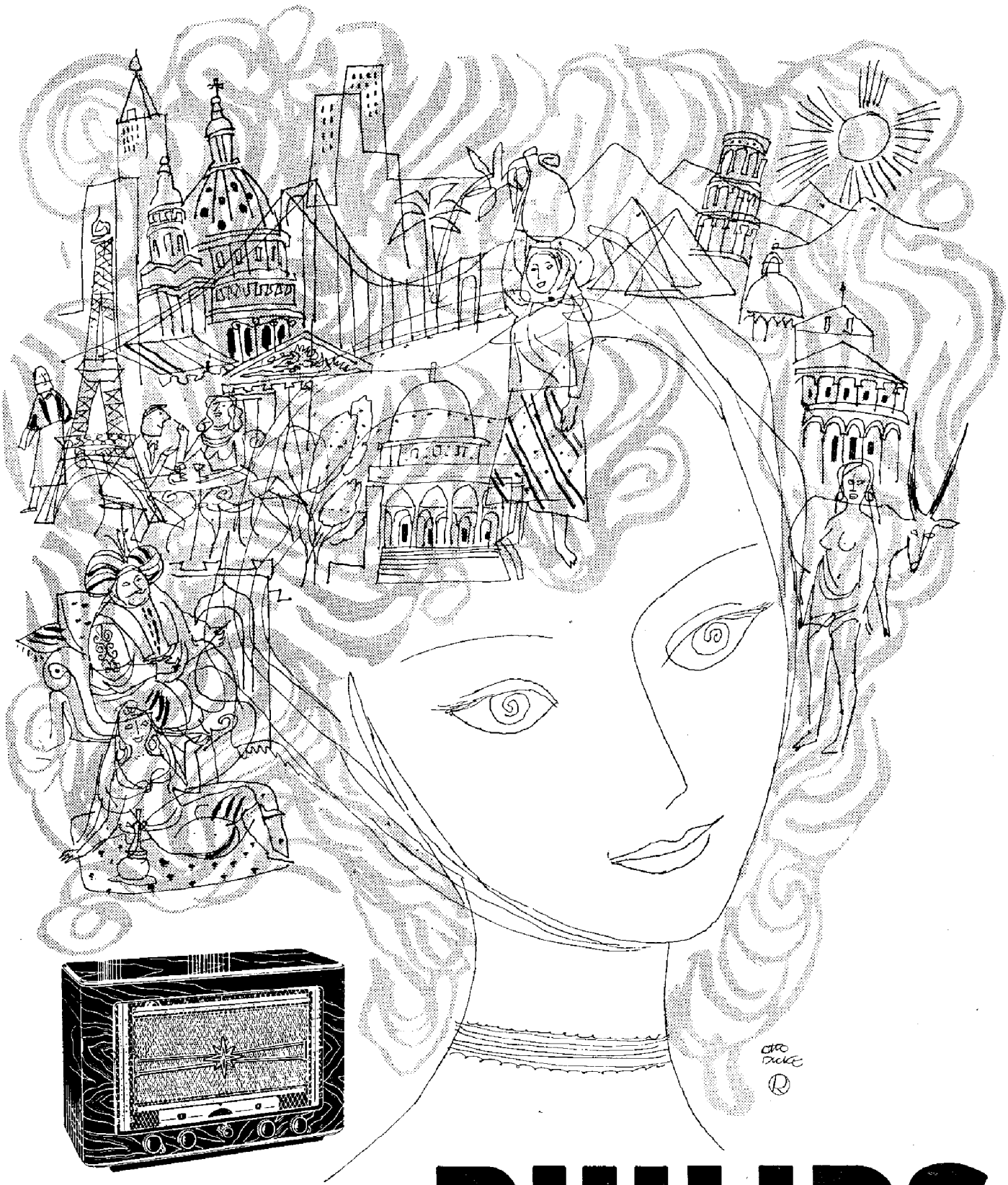
Canada officially inaugurated her shortwave radio broadcasting service to the world on February 25th, 1945. The service has expanded in many directions and the increasing number of listeners has been reflected in a steadily-rising number of letters from all parts of the world.

Regular program schedule is sent free on request

CANADIAN BROADCASTING CORPORATION
INTERNATIONAL SERVICE

Post Office Box 6000, Montreal, Canada

(For broadcast frequencies and times, see page 102-104)



PHILIPS

Roaming around the world in your armchair

Few of us have ever had the opportunity to go and see places all over the world. To see famous towns, to be eye-witnesses at great world-events, to attend concerts conducted by a Toscanini or other world-famed maestros, or to learn what is going on in other countries.

But do you realize that you can make real world trips day after day whenever you want? You can do it with a Philips radio. Philips radio spans the world and brings continents and countries so close to each other that one day could be enough to visit London with its famous Music Halls, to hear real old Vienna waltzes, to dance with your friends on the music of America's favourite dance orchestras, to attend an international sport-meeting in France or to dream whilst listening to the soft and melodious music of the Hawaiian islands.

This is what radio can do, especially radio sets with well-balanced short-wave reception possibilities.

Philips are one of the pioneers in modern radio, particularly on short-wave reception and transmission. From 1927, when the first Philips' short-wave transmission on Philips own station in Holland could be clearly heard in all corners of the world, Philips have been in the field to develop radio to its wonderful perfection of our present days.

This restless research, with many achievements, for which Philips are directly responsible, culminates in a wide range of excellent radio receivers for reasonable prices. Sets for everybody. Sets enabling you to roam all over the world day after day whenever you want.

PHILIPS

PHILIPS SERVE THE ENTIRE WORLD

Radioplayers

WORLD TIME IN ALL COUNTRIES

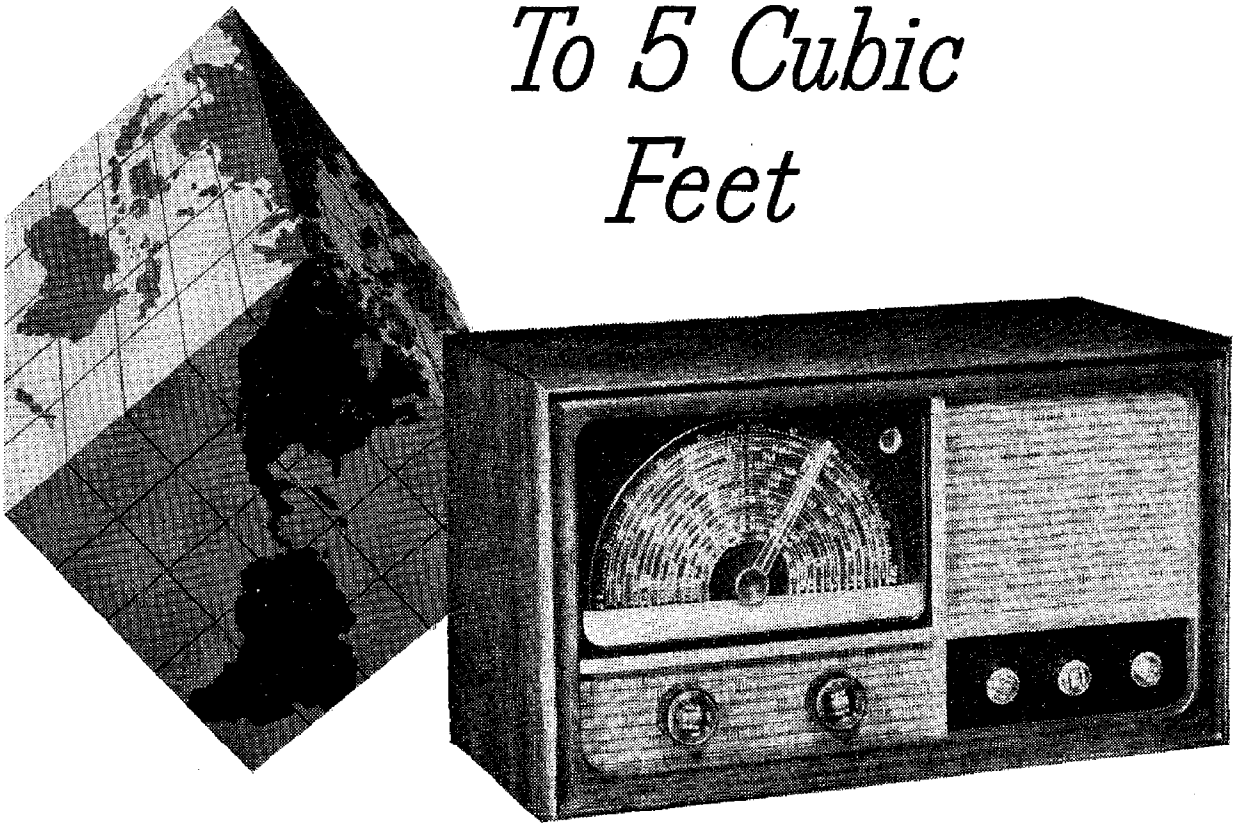
DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME

The differences marked + indicate the number of hours ahead of G. M. T. Differences marked ÷ indicate number of hours behind G. M. T. * Time based on local sunrise.

	Normal clock Time	Summer Time
Aden	+3	+3
*Afghanistan	+4½	+4½
Albania	+1	+1
Algeria	GMT	GMT
Andorra	+1	+1
Angola	+1	+1
Antigua	÷4	÷4
*Arabia, Saudi	+3	+3
Argentina	÷3	÷3
Australia		
a) Victoria, New South Wales, Queensland Tasmania, (Brisbane, Melbourne, Sydney)	+10	+10
b) North Territory S. Australia	+9½	+9½
c) W. Australia (Perth)	+8	+8
Austria	+1	+1
Azores	÷2	÷1 1/7-1/10
Bahamas	÷5	÷5
Barbados (W.I.)	÷4	÷4
Balearic Islands	+1	+1
Bechuanaland	+2	+2
Belgian Congo Leopoldville	+1	+1
Belgian Congo Elisabethville	+2	+2
Belgium	+1	+1
Bermuda	÷4	÷3
Bolivia	÷4	÷4
Borneo, British North	+8	+8
Brazil		
a) Eastern and Coastal.	÷3	÷2
b) Western (Manaos)	÷4	1/12-1/4 ÷3
Bulgaria	+2	+2
Burma	+6½	+6½
Cameroons, Brt.	+1	+1
Canada		
a) Atlantic (Nova Scotia)		25/4-25/9
Quebec)	÷4	÷3
b) Eastern (Ontario)	÷5	÷4
c) Central (Manitoba)	÷6	÷5
d) Mountain (Alberta)	÷7	÷6
e) Pacific (Br. Columbia)	÷8	÷7
f) N. Foundland	÷3½	÷2½
Canary Islands	GMT	GMT
Canton Islands	÷11	÷11
Cap Verde Isl.	÷2	÷2
Ceylon	+5½	+5½
c) Java, Borneo	+7½	+7½
Chile	÷4	÷4
China	+8	+8
Tibet	+6	+6
Colombia	÷5	÷5
Cook Isl.	÷10,39	÷10,39
Costa Rica	÷6	÷6
Cuba (W.I.)	÷5	÷5
Curacao	÷4½	÷4½
Cyprus	+2	+2
Czechoslovakia	+1	+1
Dahomey	+1	+1
Denmark	+1	+1
Dodecanese Isl.	+2	+2
Dominican Republic (W.I.)	÷5	÷5
Ecuador	÷5	÷5
Egypt	+2	+2
Ellice Islands	÷12	÷12
El Salvador	÷6	÷6
Eritrea	+3	+3
Ethiopia	+3	+3
Falkland Islands	÷4	÷3 1/4-1/10
Fernando Po	+1	+1
Formosa see Taiwan		
Fiji Islands	+12	+12
Finland	+2	+2
France	+1	+1
French Equatorial Africa (Brazzaville)	+1	+1
French West Africa (Senegal)	GMT	GMT
Gambia	GMT	GMT
Germany	+1	+1
Gibraltar	+1	+1
Gilbert Isl.	+12	+12
Goa (Port India)	+5½	+5½
Gold Coast	GMT	+½ 1/9-31/12
Great Britain	GMT	+1 1/4-1/10
Greece	+2	+2
Greenland West	+3	+3
Angmagssalik East Scoresby Sound	+2	+2
Guadeloupe (W.I.)	÷4	÷4
Guam	+10	+10
Guatemala	÷6	÷6
Guiana (British)	÷3¾	÷3¾
Guiana (Dutch)	÷3.40	÷3.40
Guiana (French)	÷4	÷4
Guinea (Port.)	÷1	÷1
Guinea (Spanish)	+½	+½
Haiti (W.I.)	÷5	÷5
Hawaiian Islands	÷10	÷10
Holland	+1	+1
Honduras (Rep.)	÷6	÷5.30
Honduras (British)	÷6	1/10-31/12 ÷5.30 15/16-3/2
Hong Kong	+8	+9 1/4-31/10
Hungary	+1	+1
Iceland	÷1	GMT 3/4-31/10
India	+5½	+5½
India Portuguese	+5½	+5½
Indochina	+8	+8
Indonesia		
a) North Sumatra	+6½	+6½
b) South –	+7	+7
c) Java, Borneo, Bali	+7½	+7½
d) Celebes (E. Ind.)	+8	+8
e) Molucca Isl.	+8	+8
Iran (Persia)	+3½	+3½
Iraq	+3	+3
Ireland (Eire)	GMT	+1 15/4-1/10
Ireland (Northern)	GMT	+1
Israel	+2	+3 1/5-31/10
Italy	+1	+1
Ivory Coast	+1	+1
Jamaica (W.I.)	÷5	÷5
Japan	+9	+9
Kashmir	+5½	+5½
Kenya	+3	+3
Korea	+8½	+8½
Kuwait	+3	+3
Lebanon	+2	+2
Leeward Isl.	÷4	÷4
Liberia	÷3/4	÷3/4
Libya		
a) West (Tripolitania)	+1	+2
b) East (Cyrenaica)	+1	+2
Luxembourg	+1	+1
Macau	+8	+9 1/4-1/10
Madagascar	+3	+3
Madeira	÷1	GMT 1/4-1/10
Malaya	+7½	+7½
Malta	+1	+1
Marshall Isl.	+12	+12
Martinique	÷4	÷4
Mauritius	+4	+4
Mexico	÷6	÷6
Miquelon	÷4	÷3 1/4-15/10
Monaco	+1	+1
Mongolia(Outer)	+7	+7
Morocco (French)	GMT	GMT
Morocco (Spanish)	+1	+1
Mozambique	+2	+2
Nepal	+5.40	+5.40
New Caledonia	+11	+11
New Guinea (Dutch)	+9½	+9½
New Guinea (Australian)	+10	+10
New Hebrides	+11	+11
New Zealand	+12	+12
Nicaragua	÷6	÷6
Nigeria	+1	+1
Norway	+1	+1
Pakistan		
a) West	+5	+5
b) East	+6	+6
Panama	÷5	÷5
Paraguay	÷4	÷4
Peru	÷5	÷5
Philippine Islands	+8	+8
Pitcairn Isl.	÷9	÷9
Poland	+1	+1
Portugal	GMT	+1 1/4-1/10
PuertoRico(W.I.)	÷4	÷4
Reunion	+4	+4
Rhodesia (Northern and Southern)	+2	+2
Rumania	+2	+2
Ryukyu Isl.	+9	+9
Saar	+1	+1
Samoa Isl.	÷11	÷11
S. Pierre	÷4	÷3 1/4-15/10
S. Tomé	GMT	+1 1/4-1/10
Sarawak	+8	+8
*Saudi Arabia	+3	+3
Senegal	GMT	GMT
Seychelles Isl.	+4	+4h
Sierra Leone	GMT	GMT
Somaliland (British, Italian)	+3	+3
Somaliland (French)	+3	+3
Spain	+1	+1
Sudan	+2	+2
Surinam	÷3,40	÷3,40
Sweden	+1	+1
Switzerland	+1	+1
Syria	+2	+2
Taiwan	+8	+9 1/4-31/9
Tanganyika	+3	+3
Tangier	GMT	GMT
Tahiti	÷10	÷10
Tasmania	+10	+10
Thailand	+7	+7
Transjordan	+2	+2
Trieste	+1	+1
Trinidad (W.I.)	÷4	÷4
Tunisia	+1	+1
Turkey	+2	+2
Uganda	+3	+3
Union of South Africa	+2	+2
Uruguay	÷3	÷3
U.S.S.R. Moscow, Leningrad	+3	+3
Baku	+4	+4
Sverdlovsk	+5	+5
Alma Ata	+6	+6
Novosibirsk	+7	+7
Irkutsk	+8	+8
Yakutsk	+9	+9
Khabarovsk	+10	+10
Petropavlovsk	+11	+11
U.S.A.		
a) Eastern Zone	÷5	÷4 1/5-1/10
b) Central Zone	÷6	÷5 1/5-1/10
c) Mountain Zone	÷7	÷6 1/5-1/10
d) Pacific Zone	÷8	÷7 1/5-1/10
Vatican	+1	+1
Venezuela	÷4½	÷4½
Vietnam	+8	+8
Yemen	+3	+3
Yugoslavia	+1	+1
Zanzibar	+3	+3

General Electric's Model X-371 . . .
For Complete All-Wave, Global Radio Reception!

The World Has Shrunk To 5 Cubic Feet



It's truly a small world when you tune in your X-371. Into its 5 cubic feet, General Electric has packed the latest electronic advances. The result is a table radio that brings you clear shortwave reception from stations thousands of miles away!

Tuning Is Simpler, Quicker. Model X-371 offers you 9 shortwave bands, 2 general coverage shortwave bands, and one broadcast band. New "Rainbow range" dial lighting spotlights the band in use. Powerful 10-inch speaker gives exceptional tonal fidelity. Latest printed circuit techniques assure more efficient, stable operation. Completely tropic-proofed. Also available in Blonde Korina as Model X-372. See your nearest G-E dealer or write:

International General Electric Co., Dept. 43B, 570 Lexington Avenue, New York 22, N.Y., U.S.A.

ER-54-6

GENERAL ELECTRIC

—U. S. A.—

RADIO AUSTRALIA

– the friendly voice of the Southern Continent –

The laughing call of the Kookaburra introduces the daily programmes of Radio Australia, the Overseas Service of the Australian Broadcasting Commission. Broadcasts are given in English, French, Indonesian and Thai. Transmissions are directed to South and South-East Asia, North America, the British Isles, Europe, Africa, New Zealand, Japan and the North and South Pacific Islands. For the best in musical entertainment, and for news and information about Australia and the outlook of its people on world events, you are invited to listen regularly to Radio Australia. An illustrated Programme Guide is sent free to all listeners on request.

Overseas Service – Australian Broadcasting Commission,
Post Office Box 780H, G.P.O. Melbourne, Australia.

For full information see page 96.

UNION EUROPEENNE DE RADIODIFFUSION (U.E.R.)
European Broadcasting Union (E.B.U.)

Seat and Administrative Office: 37, Quai Wilson, Geneva.
Technical Centre: 32, Avenue Albert Lancaster, Brussels.
Monitory Centre: Jurbise (Belgium).
Administrative Council (1955): President (1955–56) Sir Jan Jacob, Director General. The British Broadcasting Corporation. – Vice-Presidents (1955–1956): MM. Léon Daumard, Inspector General "Radiodiffusion et Television" France. Georges Conus, Director Administration The Swiss Broadcasting Corporation.
Administrators: Representatives for the broadcasting organizations in: Finland, France, Germany (Federal Rep.), Ireland, Italy, Netherlands, Switzerland, United Kingdom, Yugoslavia. The names of the representatives are not yet known.
Director of the Administrative Office – Secretary General: M. Léo Wallenborn. – **Director of the Technical Centre:** M. Henry Anglès d'Auriac.
Active Members: The broadcasting organizations of: Belgium, Denmark, Egypt, Finland, France, Germany (Bundesrepublik), Greece, Ireland, Italy, Lebanon, Luxembourg, Monaco, Morocco/Tunisia, Norway, Netherlands, Portugal, Sweden, Switzerland, Syria, Turkey, United Kingdom, Vatican City, Yugoslavia.
Associate Members: The broadcasting organisations of: Australia (A.B.C.), Austria (Rot-Weiss-Rot), Belgian Congo, Burma, Canada, (C.B.C.), Ceylon, Japan, New Zealand, Pakistan, Union of South Africa, United States (International Broadcasting Division, U.S. Department of State and N.B.C.).
Publications: Documentation and Information Bulletin (every two months in English and French). – Long and medium waves. Quarterly Report (European Area). – Short waves.

INTERNATIONAL BROADCASTING ORGANIZATION OIR
ORGANISATION INTERNATIONALE DE BROADCASTING OIR

Address: 15, Liebknechtova, Prague 16, Czechoslovakia.
Cable: INTERADIF Praha.
Nature: International organization, having scientific purpose.
Governing Body: General Assembly consisting of one representative for each full member.

ADMINISTRATIVE COUNCIL: Consisting of 7 to 13 members.
Chairman: Representative of PR of Poland.
Vice-Chairmen: Representatives of USSR and Chinese PR.
Members: Representatives of – Czechoslovak Republic, Finland, German Democratic Republic, Lithuanian SSR, PR of Mongolia.

MEMBERS: PR of Albania, Byelorussian SSR, PR of Bulgaria, Chinese PR, Czechoslovak Republic, Estonian SSR, Finland, German Democratic Republic, Hungarian PR, Karelo-Finnish SSR, Korean People's Democratic Republic, Latvian SSR, Lithuanian SSR, Moldavian SSR, PR of Mongolia, PR of Poland, Rumanian PR, Ukrainian PR, Union of Soviet Socialist Republics.
Facilities: Technical Checking Centre: Prague, Czechoslovakia.
Meetings: General Assembly at least once a year, Administrative Council at least twice a year.
Publication: Documentation and Information Bulletin in Chinese, English, French and Russian issued every three months.
Relations with other international organizations: Official relations with the ITU and its advisory committees.

UNESCO (continued from page 13)

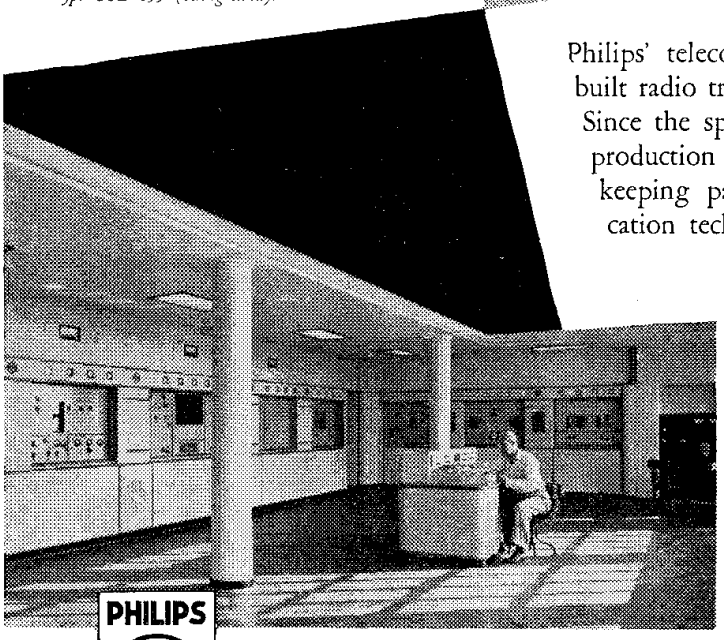
ments to meet individual cases. Where possible, producers have been invited for a short period to visit Unesco House and gather their own material for broadcasting. This arrangement has worked very satisfactorily.

The "Unesco World Review" which ia a weekly quarter-hour script programme, now in its seventh year, provides a supplementary means of getting Unesco material broadcast in countries which otherwise would have difficulty in obtaining such material. It is printed in English, French, Spanish and Arabic, and is also translated by radio stations into vernacular languages. At present this publication is distributed to fifteen hundred radio stations and networks in 105 countries and territories. A recent development has been the addition af a thousand broadcasting stations within the United States of America.

The objective of Unesco Radio is to disseminate knowledge and information of an international character which is not normally available to radio stations or which these stations have neither the time nor the means to prepare for themselves. It is part of the overall programme to promote interest in all those matters which are the concern of the United Nations and its various specialized agencies. It may be fairly claimed that Unesco Radio has already proved the practicability of disseminating knowledge and promoting international understanding through radio on a remarkably wide scale, in spite of vast divergencies of national cultures and standards of technical progress.

Radio communication

Below: Transmitting room of a Latin American broadcasting station equipped with Philips 50 kW s.w. broadcast transmitter, type SOZ 139 (left) and Philips 20 kW m.w. broadcast transmitter, type SOZ 199 (background).



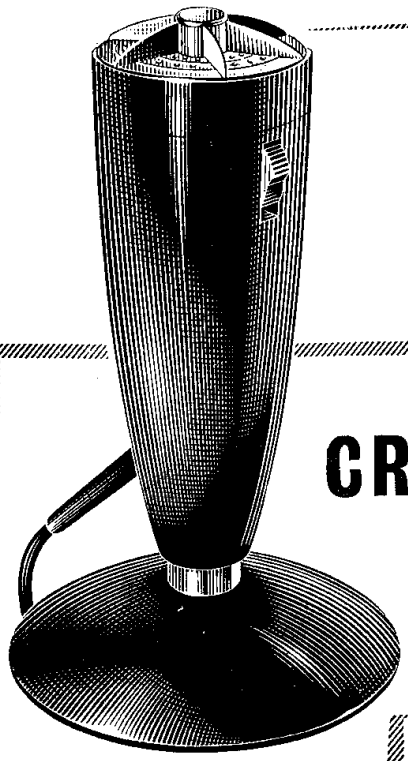
Philips' telecommunication industries have designed and built radio transmitting equipment for well over 30 years. Since the spark-gap transmitters of the days of yore the production programme has been steadily increasing, keeping pace with the development of telecommunication technique and the demands of an evergrowing practice. Continuous research and vast experience have led to remarkable accomplishments, such as transmitters for national and world wide broadcasts, and communication receivers for professional and DX-work.

For particulars and expert advice please apply to the Philips representative in your country.

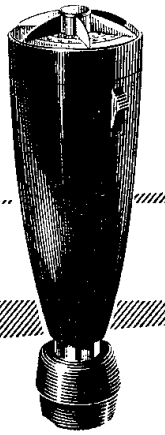
PHILIPS

telecommunication

advertisement Philips



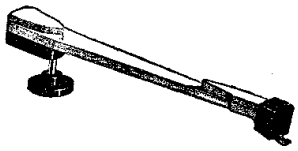
Another Fine ACOS CRYSTAL MICROPHONE...



Desk Stand or Hand

MIC 36 SERIES

A handsome omni-directional instrument of high sensitivity and a substantially flat response from 30 to 7,000 c/s. Alternative models, with or without switch, are available with suitable adaptors for floor or table stands or for hand use.



MIC 36 is a pedigree microphone by Cosmocord, makers of the famous ACOS GP 20 pick-up.

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ACOS devices are protected by patents, patent applications and registered designs in Great Britain and other countries.

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TABLE OF THE MOST SUITABLE METRE BANDS FOR BEST SHORT-WAVE RECEPTION IN EVERY PART OF THE WORLD AT VARIOUS TIMES OF THE DAY IN 1955.

Example: A listener located in eastern part of North America wishes to hear a station in Southern Asia on a January evening. By following the horizontal column of figures starting at North America on the left until it meets the vertical column under South Asia in the Winter section on the right, he will come to the figure 31. — This means that the 31 metre band is the most suitable for listening to the required station at that time. **Note:** The figures in the table below can only be regarded as average figures, as conditions will vary considerably from time to time due to irregularities in the ionosphere. Attention is drawn to the fact that the optimum wave bands as indicated correspond to transmission between the centers of the areas concerned.

The listener's area		Area of the transmitting station																			
		May June July August								March April Sept. October								Nov. Dec. Jan. Feb.							
		Eu	NA -W	NA -E	SA	Af	SAs	EAs	Au	Eu	NA -W	NA -E	SA	Af	SAs	EAs	Au	Eu	NA -W	NA -E	SA	Af	SAs	EAs	Au
Europe	M	41	31	31	49	19	19	19	31	49	49	31	31	16	16	25	19	49	49	49	31	13	16	16	16
	A	41	25	25	19	16	19	25	41	49	25	19	16	16	16	25	25	49	31	16	13	13	25	41	25
	E	41	25	25	16	19	25	25	41	49	31	31	25	41	31	31	31	49	49	49	31	31	41	41	41
North America, West	M	25	49	25	16	25	49	25	19	49	49	25	31	31	19	16	19	49	49	19	49	49	31	49	25
	A	31	49	49	31	31	31	25	31	49	49	25	49	49	31	49	49	49	49	49	49	49	31	49	31
	E	31	49	25	25	25	31	31	49	25	49	49	19	19	19	31	49	31	49	49	16	31	19	49	31
North America, East	M	31	25	49	25	31	25	25	19	49	25	49	25	31	31	19	31	49	14	49	31	49	49	49	49
	A	25	25	49	25	25	31	31	49	49	25	49	31	49	49	49	49	49	49	49	49	49	49	31	49
	E	25	31	49	19	25	25	25	49	19	49	49	19	19	25	31	31	19	49	49	16	16	31	49	19
South America	M	19	25	31	25	16	16	19	49	16	31	31	16	16	13	25	49	13	49	31	31	16	13	19	25
	A	16	49	25	19	19	11	25	49	19	25	19	16	25	16	31	49	25	31	16	25	16	25	41	19
	E	31	19	19	31	41	49	25	49	41	19	16	25	31	41	16	41	31	16	16	31	19	41	25	16
Africa	M	19	31	49	49	31	16	16	16	16	49	25	31	31	16	13	19	13	49	31	25	25	16	16	19
	A	16	25	25	16	25	16	16	25	16	19	19	16	19	13	25	31	13	31	19	16	25	19	31	25
	E	16	25	19	25	31	25	25	31	41	31	31	25	31	25	31	49	31	31	31	16	49	31	41	41
South Asia	M	19	25	25	49	16	41	16	16	25	25	25	31	16	25	16	16	31	31	31	25	16	25	13	16
	A	25	31	31	31	16	41	13	25	16	25	31	16	13	19	16	25	16	31	49	16	16	19	16	16
	E	25	19	31	16	25	49	25	25	25	19	31	16	19	41	31	31	41	25	49	16	35	41	31	25
East Asia	M	25	25	25	25	31	19	16	16	49	31	31	16	41	19	31	16	41	49	49	25	41	25	41	13
	A	19	25	25	31	16	13	16	16	25	19	19	19	16	16	25	16	19	16	49	25	16	13	31	25
	E	25	19	25	19	16	16	19	25	25	19	31	25	19	25	49	25	31	49	31	19	25	19	49	41
Australia	M	25	31	49	49	41	25	16	16	31	31	49	31	49	16	16	31	41	25	31	16	25	19	13	31
	A	31	19	19	49	19	16	16	16	16	16	31	31	19	16	16	41	16	49	49	31	19	16	25	31
	E	41	31	31	49	19	31	25	31	25	49	49	49	25	25	25	49	16	49	49	25	19	16	41	31

METRE BANDS

M=Morning. A=Afternoon. E=Evening. Eu=Europe. NA=N. America. SA=S. America. Af=Africa. SAs=S. Asia. EAs=E. Asia. Au=Australia.

V. H. F. ★ U. H. F.

COMMUNICATION EQUIPMENT

Walkie-Talkies ★ Kindly contact us
FM-Radiotelephone Equipment ★ for any information you
Multichannel Microwave Links ★ may desire
Outside Broadcast Equipment ★ regarding V. H. F. and
Airport Ground Stations ★ U. H. F. schemes

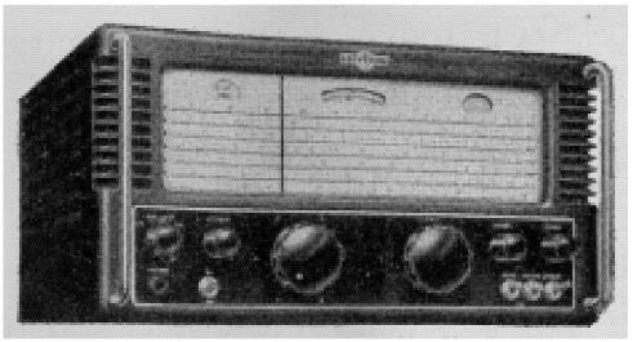
STORNO

Division of The Great Northern Telegraph Co. Ltd.

VED AMAGERBANEN 21 – COPENHAGEN S – DENMARK

EDDYSTONE
MODEL '770R'
V.H.F. COMMUNICATIONS RECEIVER

FREQUENCY RANGE 19 Mc/s. to 165 Mc/s. CONTINUOUS COVERAGE



- Highly efficient signal frequency circuits.
- Substantial diecast rotary coil turret.
- Excellent frequency stability and selectivity.
- Accurate re-setting and ease of handling.
- High sensitivity and excellent signal-to-noise ratio.
- High quality push-pull output.
- For AM, FM, NFM and CW Signals.
- Robust construction and outstanding reliability.
- "S" Meter. Noise Limiter. Muting circuit.
- Preferred type valves.
- Finest workmanship throughout.

- A. C. operation. 110-250 volts. 40-60 cycles.
- Dimensions 16¾" x 15" x 8¾".
- Weight 60 lbs.

PLEASE WRITE FOR FULL SPECIFICATION TO THE MANUFACTURERS:

STRATTON & CO. LTD., ALVECHURCH ROAD, BIRMINGHAM, 31

BROADCASTING RECEIVERS IN THE WORLD

Number of licenses issued or receivers estimated in use.
Abbreviations: L = number of licenses issued. R = estimated number of receivers in use. * no license.

EUROPE		
Albania	R	150.000
Andorra	R	450
Austria[1])	L	1.661.006
Belgium	L	1.862.844
Bulgaria	R	400.000
Czechoslovakia	R	2.800.000
Denmark	L	1.346.335
Finland	R	941.000
France	L	8.746.440
German Fed. Rep.	L	12.457.818
Dem. Rep.	R	3.800.000
Gibraltar	R	6.000
Gt. Britain	L	11.313.065
Greece	L	315.000
Greenland	R	2.200
Holland	L	1.942.105
Hungary	R	1.200.000
Iceland	L	37.288
Ireland	L	417.000
Italy	L	5.077.834
Luxembourg	L	75.120
Monaco	R	4.000
Norway	R	909.000
Poland	R	1.900.000
Portugal	L	377.950
Rumania	R	350.000
Saar	L	217.307
Spain	R	1.000.000
Sweden	L	2.353.542
Switzerland	L	1.182.417
Trieste	L	65.834
USSR	R	18.000.000
Yugoslavia	R	450.000

AFRICA		
Algeria	L	275.000
Angola	R	50.000
Bechuanaland	R	800
Belgian Congo	R	14.000
Cameroons	R	5.000
Canary Islands	R	80.000
Cap Verde Isl.	R	900
Egypt	R	543.000
Ethiopia	R	12.000
French Eq. Afr.	R	3.000
Gambia	R	600
Gold Coast	L	4.722
Guinea (Port)	L	764
Guinea (Sp.)	R	1.000*)
Ivory Coast	L	1.534
Kenya	L	17.873
Libya	R	5.000
Madagascar	R	20.000*)
Mauritius	L	16.852
Morocco (Fr.)	L	263.984
Nigeria	R	38.000
N. Rhodesia	R	16.000*)
Reunion	R	5.000
Seychelles	L	113
Senegal	R	25.000
Somaliland (It.)	R	3.500*)
Somaliland (Br.)	R	600*)
S. Rhodesia	R	35.000
Sudan	R	5.000
Tanger	R	1.500*)
Tunis	R	100.000
Union of S.Afr.	R	700.000
Uganda		200*)
Zanzibar	R	1.500*)

[1]) Incl. Tirol and Vorarlberg; Tirol and Vorarlberg 130.673.

NEAR EAST		
Aden	L	1.097
Afghanistan	R	20.000
Cyprus	R	33.000
Iran	R	300.000*)
Iraq	R	60.000
Israel	L	247.175
Jordan	R	25.000
Lebanon	R	60.000
Saudi Arabia	R	15.000*)
Syria	R	85.000
Turkey	L	828.042

EAST		
Borneo (N.Br.)	L	1.978
Burma	L	14.391
Ceylon	L	77.386
Goa (Port)	R	30.000
Hong Kong	L	42.705
Indonesia	R	350.000
Japan	L	11.495.409
S. Korea	R	150.000*)
Macau		6.035
Malaya	L	165.303
Pakistan	R	1.000.000
Sarawak	L	4.309*)
Taiwan	R	100.000
Thailand	R	150.000
Viet-Nam	R	45.000

PACIFIC		
Australia	L	2.030.920
Fiji	R	15.000
Hawaii	R	200.000*)
New Caledonia	R	4.000
New Hebrides	R	200
New Zealand	L	504.000
Philippines	L	189.936
Samoa Western	L	1.116*)

AMERICA, NORTH		
Canada	R	3.748.000
United States		118.000.000*)

AMERICA, CENTRAL		
Bahamas	R	5.000
Barbados	R	13.000
Bermuda	R	17.000*)
Costa Rica	R	50.000*)
Cuba	R	1.000.000*)
Dominican Rep.	R	60.000*)
El Salvador	R	30.000*)
Guadeloupe	R	2.000
Guatemala	R	60.000
Haiti	R	300.000
Honduras	R	1.380
Honduras Rep.	R	10.000
Jamaica	R	40.000
Leeward Isl.	R	1.200
Mexico	R	2.000.000*)
Nicaragua	R	30.000*)
Panama	R	110.000*)
Puerto Rico	R	300.000*)
Trinidad	R	180.000
Vincent	R	1.200

America, S.		
Argentina	R	3.000.000*)
Bolivia	R	300.000*)
Brazil	R	3.500.000*)
Chile	R	650.000*)
Colombia	L	2.000.000*)
Equador	R	150.000*)
Falkland Isl.	L	372
Guiana (Br.)	R	35.000
Paraguay	R	100.372*)
Peru	R	1.000.000*)
Surinam	R	15.000*)
Uruguay	R	600.000*)
Venezuela	R	1.000.000*)

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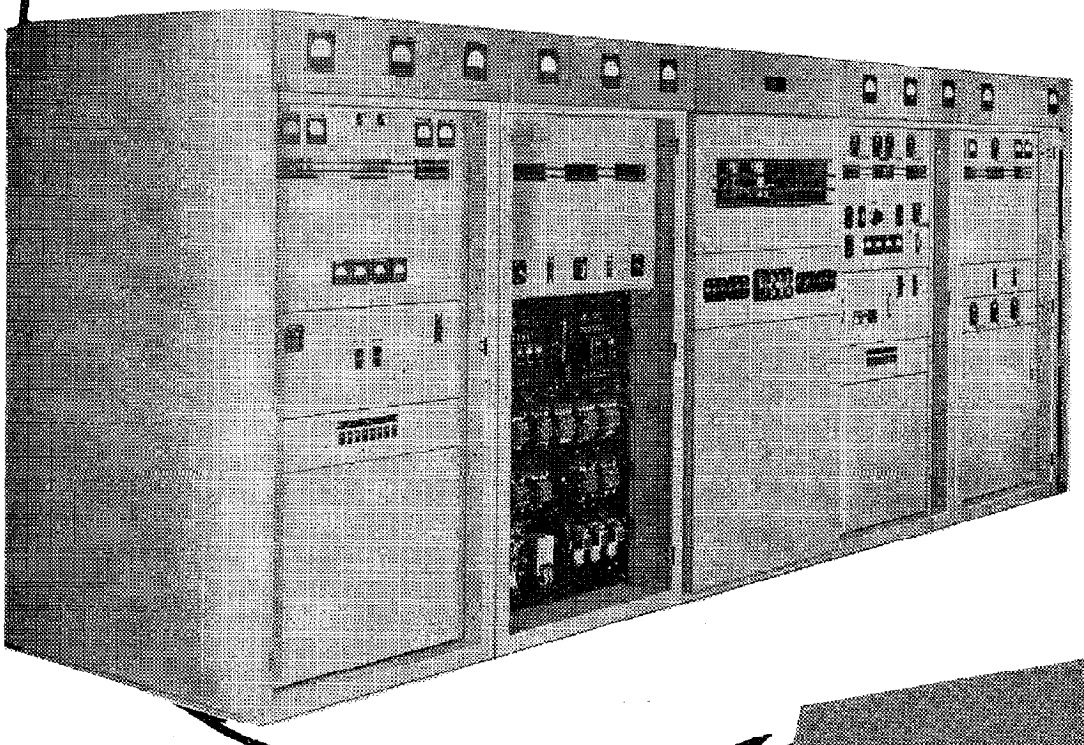
GATES

BROADCASTING *Equipment*

THE NEW GATES 20KW TRANSMITTER — designed for 20KW continuous duty broadcast operation in the 4-22 mcs. shortwave broadcast band, the new transmitter is continuously tuned up to the final amplifier stage. Full coverage 4-22 mcs. is obtained by means of easily removable latch-on coils in the final tank circuit.



Companion models for standard AM, 540-1600 kc., broadcast operation and for high speed 20KW telegraph service are also available.

COMPLETE EQUIPMENT FOR AM & FM BROADCASTING, TELEVISION TRANSMITTERS, STUDIO EQUIPMENT, AND A FULL LINE OF BROADCAST TRANSMITTERS FROM 250 WATTS TO 50KW.

GATES is the largest supplier of AM radio broadcasting *equipment in the U.S.A. The prime reason for GATES popularity, everywhere, is that while maintaining the highest standards of Quality, GATES equipment is always competitively priced — and equally important, costs less to install and to operate. Why not write today for descriptive literature and engineering data on this modern GATES equipment.*

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GATES RADIO COMPANY
INTERNATIONAL DIVISION
13 EAST 40th STREET, NEW YORK 16, N. Y., U.S.A.
Cables: ARLAB

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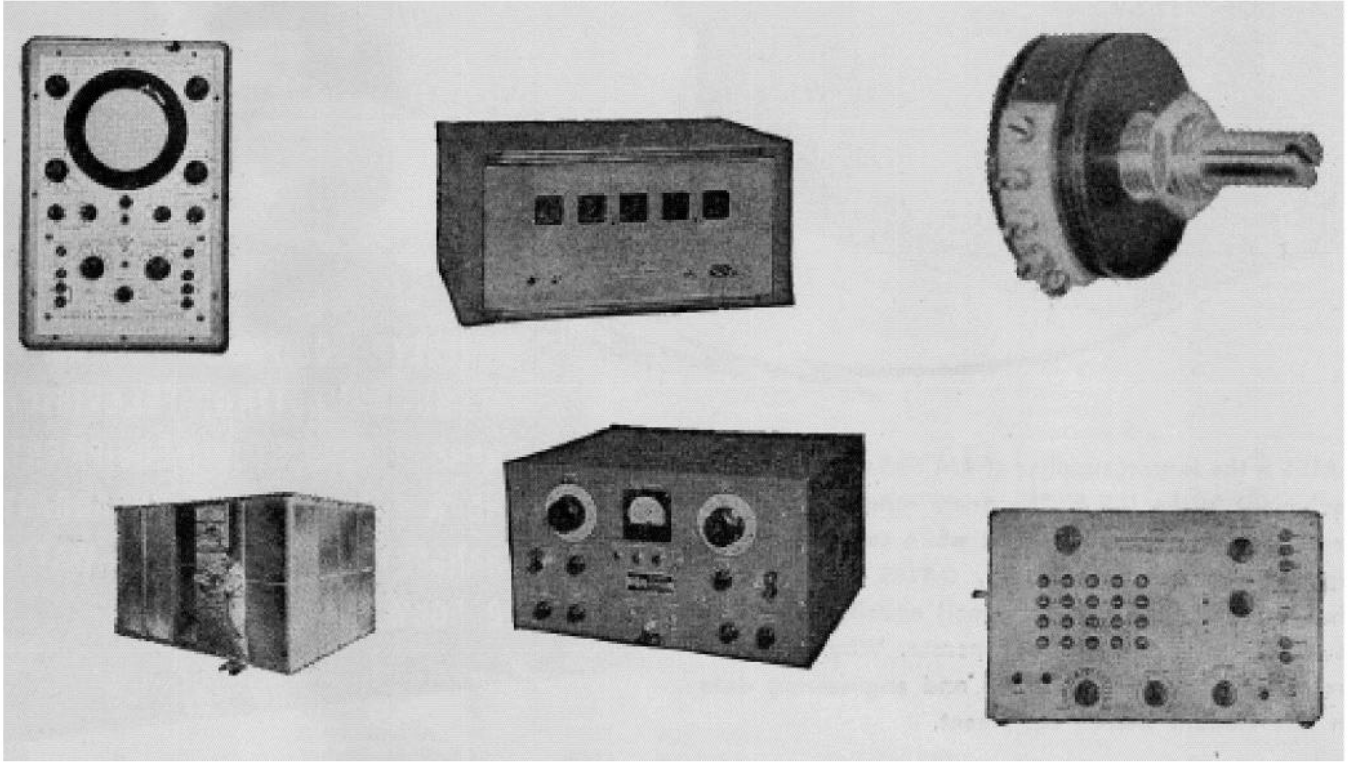
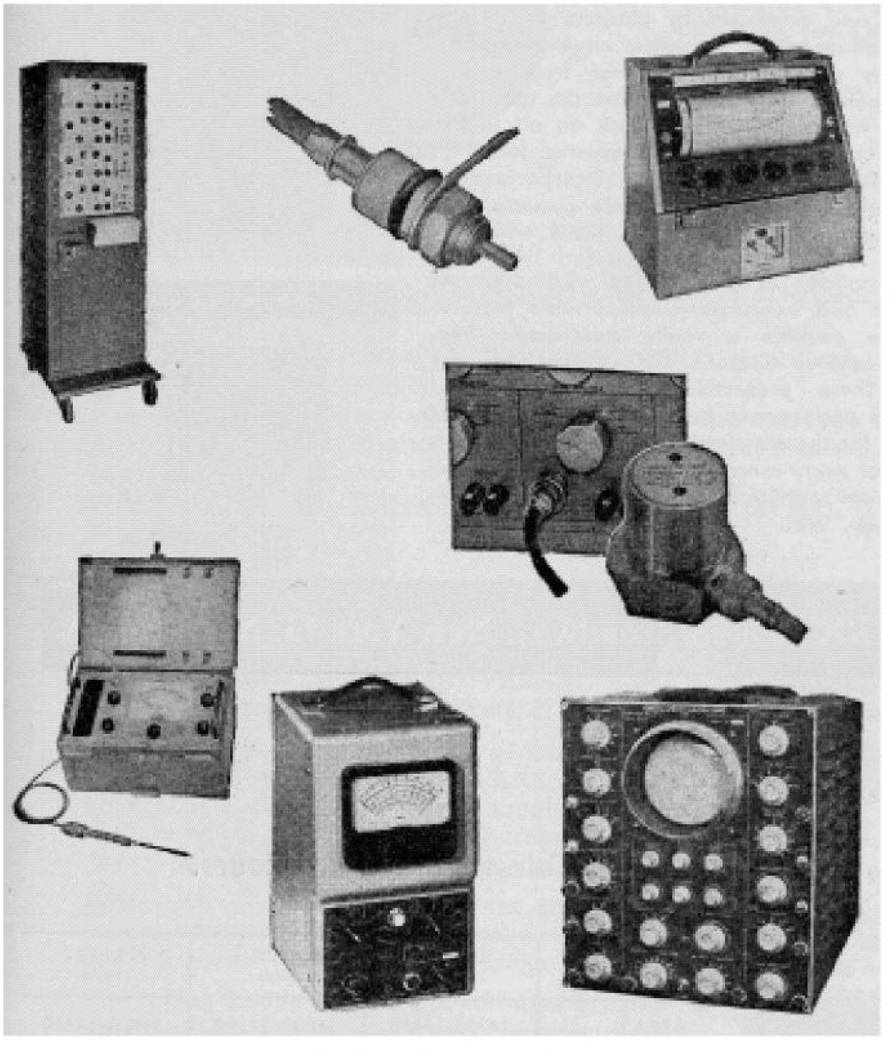
In addition to supplying the world's finest electronic products, Frathom is long experienced in export procedure and shipping techniques. Reliable representatives in many countries are constantly in touch with Frathom's New York office to clarify customer requests and eliminate unnecessary delays.



advertisement Frathom

Components,
Indicators,
Recorders,
Testers

REPRESENTING ELECTRONICS' LEADING MANUFACTURERS



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NON-LINEAR SYSTEMS, INC.
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POTTER INSTRUMENT COMPANY
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SANBORN COMPANY
TELETRONICS LABORATORY, INC.
VOLKERS & SCHAFFER MFG. CORP.
WEST-CAP (SAN FERNANDO ELEC. MFG. CO.)

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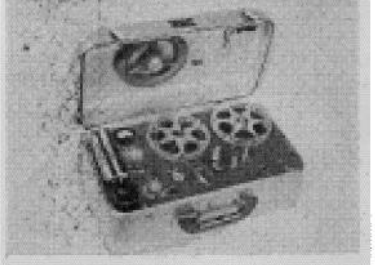
advertisement Frathom

The MAGNEMITE

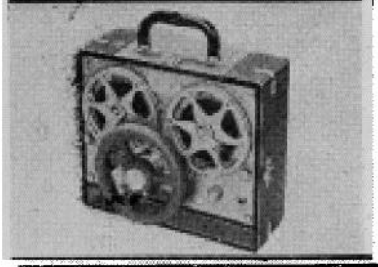
BATTERY-OPERATED SPRING-MOTOR TAPE RECORDER

Favorite of the World's Outstanding Broadcasting Stations and Recording Studios!

VU Magnemite



4-Speed Magnemite



Engineered and developed by pioneers of battery-powered, self-contained recording equipment characterized by complete independence from outside sources of power. Tapes recorded 'on the spot' with these units will faultlessly play back on all professional and standard recorders. Features found in heavy studio consoles have been incorporated so that high quality recording is made possible even under the most gruelling field conditions.

Extreme simplicity of design and elimination of troublesome and unnecessary non-portable features have made possible a really maintenance-free, foolproof, easy-to-operate, light-weight, compact recorder. These properties plus versatility and dependable performance have earned international acceptance for the Magnemite. 50 Diversified models available for every conceivable application. For complete technical specifications and direct factory prices write to Dept. WR:

Flyweight Magnemite

Magnemite 610-A

AMPLIFIER CORP. of AMERICA 398 Broadway, New York 13, N.Y., U.S.A.

Frequency bands allocated to Broadcasting, Television and Amateurs.

The table below is based upon the Atlantic City Radio Regulations. For bands between 3 and 27,5 mc/s the present situation differs a little from the table in some cases. Some bands are shared with other services. **Region 1**: Europe, U.S.S.R. in Asia, Africa. **Region 2**: N. and S. America, Northeast. Pacific. **Region 3**: Asia exc. U.S.S.R., Australia, part of Pacific.

BC: Broadcasting (AM sound) – BC(trop): Broadcasting (AM sound, tropical zones) – BC(FM): Broadcasting (FM sound) – BC(TV): Broadcasting (Television) – AMAT: Amateurs.

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
BC	150–285		
BC	525–1605	535–1605	535–1605
AMAT		1800–2000	1800–2000
BC(trop)	2300–2498	2300–2498	2300–2498
BC(trop)	3200–4300	3200–3400	3200–3400
AMAT	3500–3800	3500–4000	3500–3900
BC	3950–4000		3900–4000
BC(trop)	4750–5060	4750–5060	4750–5060
BC	5950–6200	5950–6200	5950–6200
AMAT	7000–7150	7000–7300	7000–7150
BC	7100–7300		7100–7300
BC	9500–9775	9500–9775	9500–9775
BC	11700–11975	11700–11975	11700–11975

	Region 1 kc/s	Region 2 kc/s	Region 3 kc/s
AMAT	14000–14350	14000–14350	14000–14350
BC	15100–15450	15100–15450	15100–15450
BC	17700–17900	17700–17900	17700–17900
AMAT	21000–21450	21000–21450	21000–21450
BC	21450–21750	21450–21750	21450–21750
BC	25600–26100	25600–26100	25600–26100
AMAT	28000–29700	28000–29700	28000–29700
	mc/s	mc/s	mc/s
BC(TV)	41–68	44–50	44–50
AMAT		50–54	50–54
BC(TV)		54–72	54–68
BC(TV)		76–88	
BC(FM)	87,5–100	88–108	87–108
AMAT	144–146	144–148	144–148
BC(TV)	174–216	174–216	170–200
AMAT		220–225	
AMAT	420–460	420–450	420–460
BC(TV)	470–585	470–940	470–585
BC(TV)	610–960		610–960
AMAT	1215–1300	1215–1300	1215–1300
AMAT	2300–2450	2300–2450	2300–2450
AMAT		3300–3500	3300–3900
AMAT	5650–5850	5650–5925	5650–5850
AMAT	10000–10500	10000–10500	10000–10500

advertisement magnemite frequency bands allocated to Broadcasting Television and Amateurs

NORA

NORETTE W 637

Amongst the numerous export radio receivers produced for many years by NORA RADIO, a branch of HELIOWATT WERKE, Berlin-Charlottenburg, Germany, two types particularly have been exported with success.

The first is the small NORETTE W 637 for AC. This is supplied with the following wave lengths: Short 1, short 2 and short 3. The receiver is thus specially suitable for short wave reception, and is of particular interest in countries where poor receiving conditions make it necessary to listen to short wave transmissions. The receiver is also very valuable to amateurs on account of these wave bands.

The very smart, red plastic cabinet is of small size to save packing and freight. The golden scale is particularly attractive.

The receiver combines great sensitivity and excellent reproduction. It is easy to operate as it is fitted with a push button system.

It contains 6 valves and 6 circuits, and is fitted with a new type of magic fan that reacts to even the weakest signals. The set also includes an Alnico magnet loudspeaker, a two stage tone control, and a very effective automatic volume control.

The receiver can be connected to 90–110/125/150/220/240 volts A.C.

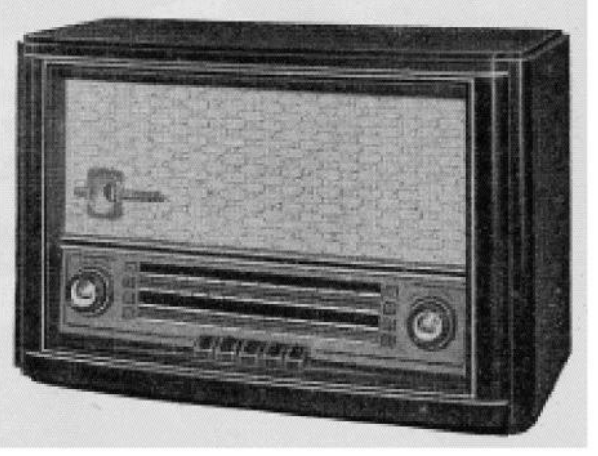
UNIVERSAL W 648 Z

The other receiver is called UNIVERSAL W 648 Z. It is constructed for A.C. mains or a 6 volt car battery. The receiver covers 2 short, 1 medium and 1 long wave band.

The great importance and value of this receiver lies in the possibility of being able to connect both to A.C. and car batteries. UNIVERSAL W 648 Z is therefore particularly bought in places where no A.C. is available or where its supply is unfavourable. Should there later be a possibility of using A.C., it will not be necessary to purchase a new set, as it can easily be adapted for connection with A.C. The vibrator is placed in the chassis.

With its 6 valves and 6 circuits the UNIVERSAL W 648 Z is a most effective receiver. Its exterior is very attractive: dark brown plastic case, golden scale, brown knobs with golden rims. This receiver is naturally fitted with a modern magic fan also.

The tuning knobs include a continuous variable tone control. The receiver can be connected to 90–110/125/150/220/240 volts A.C.



For further information please write to:

Dept. NORA RADIO
of HELIOWATT WERKE
E. A. G.
BERLIN-WEST/GERMANY

advertisement Nora Radio Heliowatt Werke

DENMARK'S LEADING DAILY

EUROPE

Swiss Broadcasting Corporation: The announcers from the Short Wave Dept. From left: Miss Carmen Imbert (Spanish section) Mrs. Helvetia Godio Pedrazzini (Italian section) Mrs. Dolores Serempus (French section) Miss Grety Tribolet (English section).

Radio Sofia: The famous singer Mita Stoitcheva in the studio. →

Radio Netherland: Edward Startz in his regular programme feature »The nice cup of tea«. ↓

The Danish State Broadcast: Members of the Short Wave Department: From left, standing: Programme-Secretary V. A. Skovgaard, Programme-Secretary Peer Møller. Lecturer Lorenzo Aaby (Spanish announcer). Programme-Editor Ib Wiedemann. Editor Harald Mørdrup. Editor Poul Overgaard-Nielsen. From left sitting: Chief of the Short Wave Department Paul Berg. American announcer Miss Elena Vollquartz. Editor Olaf Becker. English announcer Dudley Platt. Greenlandic announcer Editor Kristoffer Lynge.

Südwestfunk: Horst Uhse Chief of »Hörerwunschsendungen«.

Norsk Rikskringkasting: Editor Gunnar Nygaard, Chief of the Short Wave Department.

Radio Athen: Mr. George Carter, actor and announcer of the National Broadcasting Institute (Home and Foreign Service).

Radio Andorra: Female announcer

Radio Sofia Bulgaria Mita Stoicheva Switzerland
SBC Carmen Imbert Helvetia Godio Pedrazzini Dolores Serempus Freti Tribolet Edward Startz Radio Netherlands Happy Station Denmark Südwestfunk Horst Uhse Norway Gunnar Nygaard Greece George Carter Radio Andorra Denmark Skovgaard Peer Möller Lorenzo Aaby Ib Wiedemann Harald MördrupPaul Berg Elena Vollquartz Olaf Becker

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RADIO TEHRAN

Iran occupies one of the strategically important focal points on the globe. Listen to what goes on in this part of the world. Eighteen hours daily on three short and two medium wavelengths. Talks on ancient culture of Persia, modern world affairs, news and comments from Iran. Programs in English, French, German, Russian, Urdu, Arabic, Turkish and Iranian. Good dance and classic music and

EXOTIC EASTERN MUSIC

For Additional Information please apply to: –

Dept. of Press and Information
Tehran, Iran

See page 81

advertisement Radio Tehran Teheran Iran

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KEFLAVIK
EIDAR
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Barents Sea
White Sea
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NARVIK
FIN-
LAND
BODÖ
LULEÅ
OULU
SWE-
YLIVIESKA
UMEÅ
ÖRNSKÖLDSVIK
PIETAR-SAARI
KUOPIO
PETROZAVODSK
TRÖNDELAG
ÖSTERSUND
VAASA
TAMPERE
LAHTI
SUNDSVALL
PORI
HUDIKSVALL
HELSINKI
LENINGRAD
VIGRA
DEN
TURKU
BERGEN
FALUN
TALLIN
TARTU
ESTONIA
OSLO
UPPSALA
PORSGRUNN
FREDRIKSTAD
STOCKHOLM
MOSCOW
STAVANGER
ÖREBRO
Baltic Sea
LATVIA
GREAT BRITAIN
MOTALA
RIGA
MADONA
BURGHEAD
SCOTL.
KRISTIANSAND
GÖTEBORG
BORÅS
VISBY
KALMAR
SMOLENSK
REDMOSS
North
WESTERGLEN
GLASGOW
EDINBURGH
STAGSHAW
NEWCASTLE
SKIVE
ÅLBORG
HALMSTAD
KARLS-KRONA
LITHUANIA
VILNUS
MOGHILEV
DENMARK
Sea
ESBJERG
KALUNDBORG
HÖRBY
MALMÖ
HÄLSINGBORG
KALININGRAD
KAUNAS
MINSK
LISNAGAR-VEY
ATHLONE
BARROW
TÖNDER
FLENSBURG
COPENHAGEN
DUBLIN
MOORSIDE
HOLLAND
BELGIUM
KIEL
GDANSK
IREL.
PENMON
SCHWERIN
POLAND
CORK
N. OSTERLOOG
HAMBURG
SZCZECIN
DROITWICH
NORWICH
HOOGEZAND
OLDENBURG
BREMEN
TORUN
DAVENTRY
CARDIFF
GER-
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BERLIN
POZNAN
WARSAW
KIEV
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HANNOVER
DEUTSCHLANDSENDER
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BARTLEY
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BURG
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HALLE
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BRUXELLES
LIEGE
HOUDENG
BONN
HILDBURGHAUSEN
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LILLE
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RENNES
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BAD DURRHEIM
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LYON
VERONA
ZAGREB
BORDEAUX
GRENOBLE
VENEZIA
TRIESTE
MILANO
RUEKA
BEOGRAD
CRAIOVA
TORINO
STALIN (VARNA)
LA CORUÑA
GENOVA
BOLOGNA
YUGOSLAVIA
BULGARIA
TOULOUSE
NIMES
MONTE CARLO
SAN REMO
SARAJEVO
SOFIA
BILBAO
PAU
MONTPELLIER
PISA
FIRENZE
SAN SEBASTIAN
NICE
ANCONA
DUBROVNIK
PRISTINA
STARA-ZAGORA
MARSEILLE
TITOGRAD
ISTANBUL
VALLADOLID
PERPIGNAN
PESCARA
SKOLPJE
ANDORRA
Adriatic Sea
KOMOTINI
PORTO
ZARAGOZA
LERIDA
VATICAN RADIO
TIRANA
ANKARA
COIMBRA
CORSICA
ROMA
BARI
KORCA
THESSALONIKI
MADRID
BARCELONA
NAPOLI
TURKEY
PAREDE
BALEARIC ISLANDS
GREECE
LISBOA
SPAIN
MENORCA
SARDINIA
Tyrrhenian Sea
VALENCIA
MALLORCA
CAGLIARI
ATHINAI
PORTUGAL
ALICANTE
Ionian Sea
SEVILLA
PALERMO
MESSINA
FARO
HUELVA
CALTANISSETA
CATANIA
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SICILY
CHANIA
CRETE
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AFRICA
TRIPOLI
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Atlantic Ocean
Black Sea
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WORTH MORE
when you *buy* them . . .

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NATIONAL COMPANY, INC.
61 SHERMAN ST., MALDEN 48, MASSACHUSETTS

National NC

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sharq al adna
(NEAR EAST ARAB BROADCASTING STATION)

★

The only radio station which broadcasts throughout the day in Arabic to the Near and Middle East carrying commercial broadcasting.

For details apply to:

17, Victoria Street.
London, S. W. 1
ENGLAND

P. O. Box 219
Limassol,
CYPRUS

See page 81.

Listen to

the Voice of the Andes

International Missionary Station HCJB located at Quito, Ecuador South America.

For full details see page 131.

advertisement National Sharq al adna HCJB Ecuador Cyprus Voice of the Andes

Abbrevations: AM=Amplitude modulation – Apr.=April – Av.=Avenida – BBC=British Broadcasting Corporation – B.F.B.S.=British Forces Broadc. Service – CBC=Canadian Broadcasting Corpo. – Commercial – Corpo.=Corporation – D=Daily – Dir.=Director – exc.=except – F.B.S.=Forces Broadc. Service – FM=Freuqency modulation – Fri.=Friday – GMT=Greenwich Mean Time – Govt.=Government – kc/s=kilocycles per sec. – kW=Kilowatt – m=Meter – Man.=Manager – mg/cs=megacycle per sec. – Mo.=Monday – m.w.=Medium Wave – Na=National – N=News – NWDR=Nordwestdeutscher Rundfunk – Oct.=October – Pr.=Private – Progr.=Programme – R=Radio – Reg.=Regional – rep.=report – S.=Summer – Sat.=Saturday – S.D.R.=Süddeutscher Rundfunk – Sig.=Signal – Sun.=Sunday – s.w.=Short Wave – SWR=Süddeutscher Rundfunk – Ted.=Tecnic – Thurs.=Thursday – Tues.=Tuesday – TV=Television – W=Weekday – Wed.=Wednesday – Wi.=Winter.

EUROPE

ALBANIA

R. TIRANA (Govt.)

ADDRESS: Direction Centrale de la Radiodiffusion d'Albania, rue Conference de Peza 3, Tirana.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
Tirana	1358	220.9	50	Korca	8100	37.00	0.1
Korca	1088	275.7	0,2	Shkodra	8215	36.52	0.2
Tirana	7850	38.20	3	Vlore	8570	35.00	0.1

FOREIGN SERVICE:
On 7850 kc/s: 04.30–06.00, 17.30–22.30.

04.30 Serbo-Croat	17.30 Russian	20.00 Italian
05.00 Greek	18.00 Albanian	20.30 English
05.30 Italian	18.30 Turkish	21.00 French
	19.00 Serbo-Croat	21.30 Albanian
	19.30 Greek	22.00 English

On 1358 kc/s: 22.00–23.30.

22.00 Italian	22.30 Greek	23.00 Serbo-Croat

ANNOUNCEMENT: "This is Radio Tirana, Albania on 38.2 m".

INTERVAL-SIGNAL: 7 musical notes played on piano.

ANDORRA

RADIO ANDORRA (PR. COMM.)

ADDRESS: Radio Andorra, Roc de les Anelletes, Andorra la Vieja (Principado d'Andorra). Cable: Radio Andorra.

LEADING PERSONALITIES: Dir. Gen.: Georges Dahlqvist. Chef Ingenieur: Lucien Killmayer. Secretariat General: Melle Julia Canut. Chef du Service Artistique: Norbert Bros. Metteurs en Ondes: Paul Servant, Henri de Camaret. Programmes: Amadeo Rossell. Service des Auditeurs: Melle. Montserrat Rodriguez. Chef technique de la Station: Paul Cousse. Assesseur: Fermin Malleu.

STATIONS: Radio Andorra
998 kc/s 301 m 60 kW – 5972 kc/s 50.22 m 25 kW

DAILY PROGRAMMES in French and Spanish (occasionally in English, Italian, Portuguese): D. 11.00–23.00.
Program Preview: 11.00, 14.00, 17.00. – Weatherrep.: 12.00, 18.15. – Time Sig.: 12.00–14,00,20.00, 21,00, 23.00.
Programmes destined for Spain, Portugal, France, Suisse, Belgium, Italy and N. Africa.

ANNOUNCEMENT: French: "Ici Radio Andorre". Spanish: "Aquí Radio Andorra – Roc de les Anelletes – Andorra la Vieja – Principado de Andorra".

INTERVAL SIGNAL: Gong low. Open and close with "Hymne National Andorran" and "Marche des Conseillers Andorrans".

VERIFICATION by QSL-card. FUTURE PLANS: Increase power m. w. 100 kW.

AZORES

EMISSOR REGIONAL DOS AÇORES (GOVT.)

ADDRESS: Avenida Caspar Fructuoso, Ponta Delgada. S, Miguel.

LEADING PERSONALITIES: Manager Carlos Carreiro Lima Araujo.

HOME SERVICE in Portuguese:
CSA93 4865 kc/s 61.66 m 1 kW: 21.15–24.00.
CSA92 11925 – 25.17 – 1 – : 20.00–21.00. To Portugal.
N.: D. 20.30 (11925), 22.30 (4865). – Listeners Choice: Tues. 23.00–23.40 (Classic), Thurs. 21.30–22.20 (Light). – Weatherrep.: D. 00.01 (4865). – Azorean Newspaper: 1st and 4th Sun.: 20.30–21.00 (11925); 21.15–21.45 (4865).

ANNOUNCEMENT: "Aqui Portugal, Ponta Delgada, Emissora Regional dos Açores da Emissora Nacional".

INTERVAL-SIGNAL: One clock-chime (4865)– 6 clock chimes (11925).

EMISSORA DO CLUBE ASAS DO ATLANTICO (PR. COMM.)

ADDRESS: Aeroporto de Santa Maria, Açores.

LEADING PERSONALITIES: The Board of the Club "Asas do Atlantico" ("the wings of the atlantic"). Members of the club are doing all the work without payment.

HOME SERVICE in Portuguese: D. 21.00–22.00, 23.00–01.00. Sun. also 13.00–15.00.
CSB81 1571 kc/s 191 m 0.1 kW. N.: D. 24.00.

ANNOUNCEMENT: "Aqui Santa Maria. Fala a Estaçao Emissora do Clube Asas do Atlantico a trabalhar na frequência de 1571 kc/s, banda dos 191 metros".

INTERVAL-SIGNAL: Opens with music played on a Portuguese string instrument (viola) and a guitar.

VERIFICATION by letter. Return postage not required.

FUTURE PLANS: Increase of power.

AUSTRIA

ÖSTERREICHISCHER RUNDFUNK

Area: Austria (at present time exc. Bundesländer Tirol and Voralberg). Öffentliche Verwaltung für das Österreichische Rundspruchwesen – Competent Authorities: Bundesministerium für Verkehr und verstaatlichte Betriebe.

LEADING PERSONALITIES: Board of Directors: Öffentliche Verwalter für das Österreichische Rundspruchwesen: Dipl. Ing. Wilhelm Füchsl. Dr. Alfons Übelhör. – Programdir.: Prof. Dr. Rudolf Menz.

ADDRESSES: Österreichischer Rundfunk, Singrienergasse 21 (Postfach 45), Wien XII. Cable: Rundfunk Wien.

STUDIOS: Radio Graz: Zusertalgasse 14A, Graz III. Cable: Radio Graz. Intendant: Peter Goritschnig. Programme: Otto Hofmann-Wellenhof. Technic: Eng. Wilhelm Walzel. Adm.: Dr. Walter Skala. – Radio Klagenfurt: Sponheimerstrasse 13, Klagenfurt. Cable: Radio Klagenfurt: Intendant Peter Goritschnig. Programme: Eng. Josef Dörflinger. Technics: Eng. Herbert Lampersberger. Adm.: Leopold Seiser. – Radio Linz: Obere Donaulände 1, Linz. Cable: Radio Linz: Studio-Director: Alfred Schwetz (also Programme). Technics: Eng. Fritz Löffler. – Radio Salzburg: Hoffstallgasse 5, Salzburg. Cable: Radio Salzburg: Dir. and Progr.: Intendant Dr. Paul Becker. Technics: Eng. Ernst Walzel. – Radio Wien: Argentinierstrasse 30a, Wien IV. Cable: Radio Wien. Intendant Hans Bujak. Intendant Dr. Siegmund Guggenberger. Programme: Dr. Ernst Glaser. Technics: Eng. Anton Sevcik. Adm.: Dr. Dipl.-Kfm. Rudolf Pristov.

HOME SERVICE:

FIRST PROGRAMME: W.: 04.30–24.00. Sun.: 05.00–24.00.

Medium Waves:	kc/s	m	kW		kc/s	m	kW
Wien I–Bisamb.	566	530	35	Salzburg-Lehen	773	388	1
Klagenfurt–				Graz-Dobl*)	1025	292.7	100
Siebenhügel	728	412.1	25	Graz–St. Peter	1394	215.2	15
				Linz-Freinberg	1394	215.2	15

LOW POWER STATIONS:

Niederösterreich	kc/s	m	W	Kärnten:	kc/s	m	W
Zwettl	692	433.5	50	Kötschach[1])	738.8	406.1	100
Amstetten	1457	205.9	50	Gmünd[1])	888	337.8	50
Kärnten:				Bleiburg[1])	1062	282.5	50
Hermagor[1])	517	502	50	Völkermarkt	1088	275.7	50
Obervellach[1])	597	502	50	Friesach[1])		275.7	50
Greifenburg[1])	610	492	50	Wolfsberg		275.7	50
Radenthein[1])	622	482	100	Oberdrauburg[1])		275.7	50
Villach[1])	692	434	100	Steiermark:			
Spittal-Drau[1])	697	430.4	100	Eisenkappel	520	576.9	50
Feldkirchen	710	422.5	50	Eisenerz[1])	615	487	100
Salzburg:				Bad Aussee[1])	616	487	25
Hofgastein[1])	1250	240	50	Admont[2])	692	434	30
Zell a/See		240	50	Murau[1])	886	338.6	25
Bischofshofen[1])	1254.8	239	50	Kindberg	1088	275.7	50
Mittelsill	1493	200.9	50	Knittelfeld		275.7	50
Saalfelden		200.9	50	Liezen		275.7	50
Schwarzach		200.9	50	Mürzzuschlag[1])	1128	265.9	100
S. Michael/Lungau		200.9	50	Bruck/Mur[1])	1182	253.8	100
Maria Pfarr[1])	1500	200	50	Judenburg[1])	1219	246.1	100
				Leoben[1])	1313	228.5	100
				Mariazell		228.5	50

Bad Ischl (50 W.). Radstadt (50 W.). Windischgarsten (35 W.) frequencies not fixed.
[1]) Operated by the postal administration. * 1 Prgr. 07.00–16.00. Remaining hours BBC London.

Austria

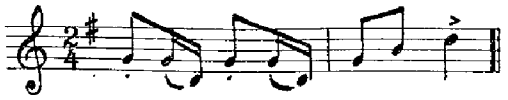
Short Waves: Wien 0,2 kW.
OEI21 6155 kc/s 48.74 m – OEI24 11785 kc/s 25.46 m

FM: Kahlenberg: 95.8 mc/s 3 kW – Jauerling: 94.3 mc/s 10 kW.

N., Weatherrep., Time Sig.: W.: 04.50, 05.45, 06.45, 11.30, 15.45, 18.45, 21.00, 23.00. Sun.: 05.45, 11.30, 18.45, 21.00, 23.00.

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk. Erstes Program von Radio (name of studio) hören Sie".

INTERVAL-SIGNAL: Extract of ballet music from "Rosamunde" by Franz Schubert.



SECOND PROGRAMME: W. 04.30–23.05(Sat. 24.00). Sun. 06.00–23.00. 2' Progr. relayed by 3' Progr. from 06.00–15.00.

Medium Waves:	kc/s	m	kW	Wien II	kc/s	m	kW
Wien-Schönbr.	520	576.9	1.5	Thaliastr.	1475	203.4	2
Graz-St. Peter	584	513.7	25	Salzb.-Moosstr.	1475	203.4	10
Linz-Kronstorf	584	513.7	100	Klagenfurt-St. Peter	1475	203.4	20

Low power stations: Niederösterreich:	kc/s	m	kW		kc/s	m	kW
Krems	1052	285.2	50	St. Pölten[1])	1457	205.9	25
Neunkirchen	1052	285.2	50	Wiener Neust.	1457	205.9	50
Gloggnitz	1457	205.9	50	**Tirol:**			
				Innsbr. Aldrans	520	576.9	2

[1]) Operated by postal administration.

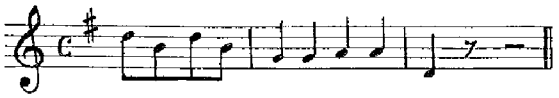
Short Waves: Wien 0.3 kW.

Calll.	kc/s	m	Calll.	kc/s	m	Calll.	kc/s	m
OEI22	7245	41.41	OEI33	9615	31.20	OEI23	9665	31.04
OEI32	9505	31.56						

N., Weatherrep., Time-Sig.: D. 05.00(W), 06.00, 07.00(W), 12.00, 16.00, 19.00, 21.00, 23.00 (Sat.).

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk zweites Programme von Radio (name of studio) hören Sie . . .".

INTERVAL-SIGNAL: From "Zauberflöte" by W. A. Mozart.



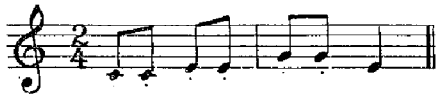
THIRD PROGRAMME: D.: 15.00–21.45. N.: D. 16.00, 19.00.

FM:	mc/s	kW		mc/s	kW
Innsbruck*)	88.5	0.3	Graz-Schöckl	95.4	10
Jauerling	88.8	10	Villach	97.8	0.1
Klagenfurt-St. Peter	93.0	1	Linz-Freinberg	99.3	1
Salzburg-Gaisberg	94.8	1	Wien-Kahlenberg	99.9	10

*) Test transmissions irregularly.

ANNOUNCEMENT: "Hier ist der österreichische Rundfunk 3' Programme von Radio (name of Studio) hören Sie...".

INTERVAL-SIGNAL: Extract from G-dur Symphony with the kettle-drum beats by Joseph Haydn.



SHORT WAVE PROGRAMME WIEN: 4 kW:

	kc/s	m		kc/s	m
OEI30	5985	50.13 (05.00–09.00, 13.00–17.00)	OEI34	9645	31.10 (23.00–02.00)
OEI31	7135	42.05 (09.00–13.00)	OEI35	11775	25.48 (16.00–18.00)
			OEI36	11935	25.14 (02.30–05.00)

VERIFICATION by QSL-card/letter.

RADIO DORNBIRN (Area Vorarlberg)

ADDRESS: Rathausplatz 1, Dornbirn. Cable: Landessender.

Competent Authorities at present time Vorarlberger Landesregierung.

LEADING PERSONALITIES: Dir.: C. Emmerich Gasser. Progr.: Grete Dünser. Technics: Dipl. Eng. Werner Einsendle.

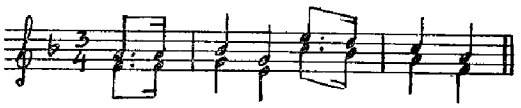
HOME SERVICE: W. 04.57–23.00. Sun. 05.55–23.00.
Dornbirn 629 kc/s 476.9 m 25 kW.

Low Power Stations:
Bludenz[1]): 1498 kc/s 200.3 m 50 W. Schruns: 1457 kc/s 205.9 m 50 W.
[1]) Operated by postal adm.

News: D.: 06.00, 11.30, 18.45, 21.00.

ANNOUNCEMENT: "Hier ist der Landessender Vorarlberg".

INTERVAL-SIGNAL: "Uf da Berga ist mi Leaba".



RADIO INNSBRUCK (Area Tirol)

ADDRESS: Neues Landhaus, Innsbruck. Cable: R. Innsbruck.
Competent Authorities: At present time Tiroler Landesregierung.

LEADING PERSONALITIES: Intendant: Dr. Josef Scheidle. Progr.: Dr. Arthur Schuschnigg. Technics.: Dipl. Eng. Rudolf Ottenthal. Adm. Dir.: Hans Frei.

HOME SERVICE: W. 04.57–23.00. Sun. 05.55–23.00.
Innsbruck-Aldrans: 629 kc/s 476.9 m 10 kW.

Low Power St.	kc/s	m	W		kc/s	m	W
Landeck[1])	520	576.9	50	Kufstein[1])	1002	299.4	15
Lienz[1])	520	576.9	100	Mayrhofen[1])	1038	289.1	45
Reutte[1])	520	576.9	15	Imst	1124	266.9	50.
Kitzbühel[1])	629	476.9	50	[1]) Operated by postal administr,			

Short Waves: OEI20 6000 kc/s 50 m 0.1 kW. N.: D 06.00, 11.30, 18.45–21.00.

ANNOUNCEMENT: "Hier ist der Landessender Tirol".

INTERVAL-SIGNAL: First movement of "Mein schönes Innsbruck am grünen Inn" (musical box).

ALLIED STATIONS

THE BLUE DANUBE NETWORK (Non-comm. – Amer. Zone)

ADDRESS: BDN Salzburg, APO 168, US Army.

LEADING PERSONALITIES: Chief BDN: LtCol. Edgar L. Tidwell. Tech. Superv.: C. E. Meyers. Dir. Progr.: Robert R. Pyper.

DAILY PROGRAMMES in English: 05.00–23.05.

Medium Waves:	kc/s	m	kW		kc/s	m	kW
BDN Salzburg[1])	674	445.1	1	Tulln[2])	1223	245.3	0.1
BDN Innsbr.[2])	881	340.5	0.05	St. Johann[2])	1367	219.5	0.35
BDN Linz[1])	890	337.1	1	**Short Waves:**			
BDN Saalfeld.[2])	890	337.1	1	BDN Salzburg	9617	31.20	0.35
BDN Wien[1])	1034	290.1	1	BDN Salzburg	5080	59.16	0.35

[1]) Studio-stations. [2]) Relay.

Time-Sig.: Every hour on the hour.

ANNOUNCEMENT: "You are tuned to BDN serving United States Forces in Austria".

VERIFICATION by QSL-card. Return postage requested.

ROT-WEISS-ROT (American Zone)

R. W. R. is operated by the United States Information Service in Austria as a service to the people of Austria. – R. W. R. is completely financed by the U.S. Government and receives no fees from Austrian listeners.

ADDRESS: Sender ROT-WEISS-ROT WIEN, Seidengasse 13, Wien

LEADING PERSONALITIES: Gen. Man.: B. S. Fielden. Techn. Officer: H. B. Wood. Radio Officer: F. G. Taylor. Progr. Officer: A. A. Bardos. Dir. Progr.: J. R. Sills. Dir. News: Prof. V. L. Ostry. Production Dir.: L. Standl. Dir. Music: Prof. E. Zillner. Dir. Adm.: F. Haeuseler. Chief Studio Eng.: A. Slama. Chief Transm. Eng.: N. Vaczi.

HOME SERVICE in German:
755 kc/s 397.4 m 100 kW. W.: 04.55–23.10. Sun.: 05.30–23.05.
N.: W.: 05.00, 06.00, 07.00, 09.00, 10.00, 11.30, 13.00, 14.00(not Sat.), 15.00(not Sat.), 17.00, 18.00, 19.00, 21.00, 22.00, 23.00. Sun.: 06.00, 07.00, 09.00, 11.30, 16.00, 19.00, 21.00, 23.00. – **Weatherrep.:** In every newscast. – **Time-Sig.:** Every hour on the hour and at 11.30. – **Volksmusic:** Sun.: 10.30–11.00, 13.30–14.00. – **English by Radio:** W. exc. Sat. 16.00–16.15. – **Request Progr.:** W. 13.10–13.40. – **Progr. Preview:** W. 06.15–06.18. Sun. 07.05–07.10. – **Mailbag:** Sat. 16.15–16.30. – **Bourse:** W. 07.01–07.10. – **Religious Progr.:** Tues. 13.45–14.00. Sat. 09.03–09.15. Sun.: 06.45–07.00, 08.45–10.00.

ANNOUNCEMENT: English: "This is Red-White-Red Vienna". – **German:** "Hier ist Rot-Weiss-Rot Wien".

INTERVAL-SIGNAL: First four bars of Strauss "Blue Danube" Walz.

VERIFICATION by letter. Listeners letters heartily invited. Return postage not required.

BRITISH FORCES NETWORK (Military – British Zone)

ADDRESS: B7 Forces Broadcasting Station. H. Q. Forces Broadcasting Service, Klagenfurt.

LEADING PERSONALITIES: Controller: R. H. Icke. Chief Progr. Officer: V. Rees. Station Commanders: B7 FBS-R. H. Icke. C13 FBS-Sgt. R. Bailey. C14 FBS-Cpt. R. Gielgud.

DAILY PROGRAMMES in English: W.: 05.30–07.30, 10.58–22.00 (Sat. 23.00), Sun. 07.00–22.00.

		kc/s	m	kW			kc/s	m	kW
Klagenfurt	B7	566	530	1	Wien	C13	868	345.6	1
Graz	C12	566	530	1	Zeltweg	C14	863	347.6	0.20

BBC N.: 06.00(W.), 07.00, 11.00, 13.00, 14.00(W.), 16.00(W.), 18.00, 20.00. – Time-Sig.: After News. – Mailbag: (Request programme from Forces Listeners) 17.00–18.00 (Tues., Thurs., Fri., Sat.). – German by Radio: Fri. 16.45. – Letters from Home: Wed. 18.30, Sun. 10.00. – Programme Preview: W.: 07.10, 16.10. – Weatherrep.: 07.10, 20.10. – Religious Progr.: W. 06.10, Wed. 20.15, Sun. 18.15.

ANNOUNCEMENT: "This is the British Network, Austria". Opening Melody: "Rule Britannia". Closing Melody: "The Queen".

VERIFICATION by letter.

BELGIUM

BELGIAN NATIONAL BROADCASTING SERVICE (GOVT.).

ADDRESS: Institut National Belge de Radiodiffusion, Place Eugene Flagey 18, Bruxelles. Cable: I. N. R. Bruxelles.

LEADING PERSONALITIES: The President of the Conseil de Gestion Minister of Communications: Ed. Anseele. Flemish Dept.: Dir. Gen.: Jan Boon. Deputy Dir. Gen.: Gust de Muynck. Dir. of Spoken Word: R. Brulez. For Press and Information: H. Engels. Dir. Music: L. Gras. French Dept.: Dir. Gen.: Roger Clausse. Asst. Dir. Gen.: Fr. Hoosemans. Dir. Music: G. Brenta. Dir. of Spoken Word: M. Hankard. For Press and Information: André Guery. Technical Dept.: Dir. Gen.: F. Mortiaux. Asst. Dir.: G. Hansen. Foreign Relations: M. Swaenepoel.

HOME SERVICE in French and Flemish:

FRENCH NETWORK:

Bruxelles I (National)	620 kc/s	483.9 m	150	kW
Bruxelles IV (Regional)*	1124 –	266.9 –	10	–
Bruxelles FM	95.4 mc/s		1	–

*) Progr. from studios in Mons, Namur, Liége, Arlon.

On 620 kc/s: W. 05.30–09.00, 11.00–22.00 (Sat. 23.00), Sun. 05.30–23.00.

N.: 06.00, 07.00, 08.55, 12.00, 18.30, 21.00, 21.55, Sat. Sun. 22.55. Weatherrep.: 11.30 and during news bulletins. Time-Sign.: 06.00,–07.00. Sun. 09.00, 11.00, 12.00, 16.00, 19.00, 21.00. Religious Progr.: Sun. 18.00–18.30. Bel Canto: Sat. 13.30–14.30 followed by Listeners Requests. Symphony: Wed. 19.00 or 19.15. For Troops: 17.00.

On 1124 kc/s: 09.00–14.30, 17.00–22.00. German: W 16.20–16.50.

On 95.4 mc/s (relay 620 kc/s): Sun. 12.00–23.00. Wed. Fri. 12.00–22.00.

FLEMISH NETWORK:

Bruxelles II (National)	926 kc/s	324.0 m	150	kW
Bruxelles III (Regional)**	1511 –	198.5 –	20	–
Bruxelles FM	95.4 mc/s		1	–

** Progr. from studios in Kortrijk, Ghent, Antwerp, Hasselt.

On 926 kc/s: W. 05.30–09.00, 10.45–22.00 (Sat. 23.00). Sun. 05.30–23.00.

N.: 06.00, 07.00, 08.00, 12.00, 18.00, 21.00, 22.00. – Weatherrep.: 05.30, 11.30 and during news bulletins. – Time-Sig.: 06.00, 07.00, 11.00, 12.00, 18.00, 21.00. – Religious Progr.: Sun. 17.30–18.00. – Language Lessons: Thurs. 13.00–13.30 English. – Symphony: Fri. 19.00 or 19.15. – Bel Canto: Sun. 13.00–14.30.

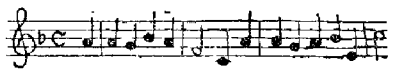
On 1511 kc/s: 09.00–13.00, 15.30–22.00.

On 95.4 mc/s: (relay 926 kc/s): Mo. Tues. Thurs. 12.00–22.00. Sat. 12.00–23.00.

ANNOUNCEMENTS: French: "Ici Bruxelles, Radiodiffusion Nationale Belge". Flemish: "Hier Brussel, de Belgische Nationale Radio-omroep". English: "Here Brussels, the Belgian National Broadcasting Station".

INTERVAL-SIGNALS: French Network National: Extract from Grety's famous melody "Ou peut-on etre mieux".

Flemish Network National: The first movement of "Beiaardlied" (Extract from Rubens' cantata by Peter Benoit).



VERIFICATION by QSL-card or letter.

FOREIGN SERVICE

(The International Goodwill Station):

ADDRESS: Overseas Service of the BNBS, P.O. Box 26, Bruxelles I. Cable: I. N. R. Mondial.

LEADING PERSONALITIES: Dir.: Frans Zoete. Public Relations: L. Le Roye.

STATIONS: ORU, Wavre: ORU3=100 kW; ORU4=100 kW; ORU5=20 kW; OTC, Leopoldville, Belg. Congo=50 kW.

Calll	kc/s	m	Calll	kc/s	m	Calll	kc/s	m
ORU4	5990*50.08		OTC	9655	31.07	ORU5	11850	25.32
ORU5	6000	50.00	ORU5	9705	30.91	ORU4	15335	19.56
ORU4	6000	50.00	ORU3	9745	30.78	ORU3	17860	16.80
ORU4	6085	49.30	ORU4	9767	30.71	ORU4	21510	13.94
ORU3	9144	32.80	ORU4	11850	25.32	* Test frequency		

DAILY PROGRAMMES:

Abbreviations: FE=Far East (Indonesia), AF=Africa, NA=N. America (Albany-NY), SA=S. America (Sao Paulo-Brazil), NE=N. Europe (Stockholm), SE=S. Europe (Madrid).

SERVICE	Calll.	1/11-28/2	1/3-30/4 1/9-31/10	1/5-31/8	
English-Dutch 10.00–11.00 For Indonesia, Australia, New Zealand.	ORU3	17860	15335	15335	FE
French-Dutch 11.00–12.00 For Belgian Congo, Ruanda-Urundi, French Africa and South Africa.	ORU3 ORU4	17860 21510	15335 17860	15335 17860	AF AF
French-Dutch 12.00–13.00 For Missionaries or Seamen	ORU5 ORU3 ORU4	17860 11850 21510	15335 11850 17860	15335 11850 17860	FE SE AF
Dutch-French 13.30–16.45 (Sun. only) For Belgian Congo and Ruanda-Urundi Sport, reportages, music.	ORU4 ORU3	15335 17860	17860 15335	17860 15335	AF AF
French-Dutch 17.00–17.45 For Seamen or Missionaries	ORU3 ORU5 ORU4	9745 11850 15335	9745 11850 15335	9745 11850 15335	AF SE NA
Musical Interlude 17.45–18.00	ORU3	9745	9745	9745	AF
For Scandinavia 18.00–20.00	ORU5	6000 or 5990	6000	6000	NE
Swedish: Tues. Fri.					
Danish: Wed.					
Norwegian: Thurs. Other days musical non-stop programme.					
French-Dutch 18.00–21.00 For Belgian Congo, Ruanda-Urundi, French Africa and South Africa.	ORU3 ORU4	9745 9767	9745 11850	9745 15335	AF AF
Musical Interlude 21.00–21.15	ORU3	9765	9745	9745	SA
Portuguese-Spanish 21.15–22.00 For Spain, Portugal, Atlantic Islands.					
Dutch-French 22.00–23.00 For Belgian Seamen	ORU3 ORU4	9765 6000	9745 9767	9745 11850	SA SE
Portuguese-Spanish 23.00–23.45 For S. America, Atlantic Islands.					

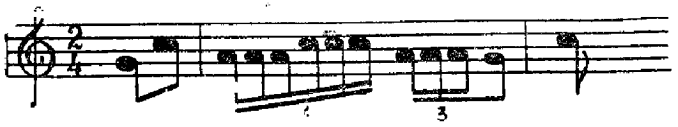
Dutch-French 00.00–00.30 For Belgians in the World					
French 00.30–01.00 Belgium Speaking to Canada.	ORU4	6085	9767	11850	AF
	ORU3	9144	9144	9144	NA
	ORU5	9705	9705	9705	SA
	OTC	9655	9655	9655	AF/NA
English 01.00–03.00 Belgium Calling Canada and USA.					

DX-PROGRAMMES: English: Wed. 10.10 for Far-East – Thurs. 02.00 for U.S.A. – **Spanish:** 1st Sun. of the month 21.15 for S. Europe. – **Portuguese:** 1st Sat. of the month 21.15. – **French:** 1st Mo. of the month 17.45 for Africa. 1st Thurs. of the month 00.45 for N. & S. America.

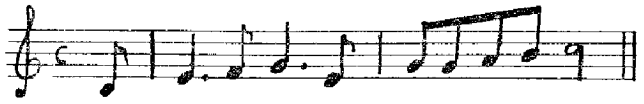
All OMs and SWLs are invited to contribute to these programmes and to send their reception reports to The International DX-Programme, P.O. Box 26, Brussels, Belgium.

ANNOUNCEMENTS: English: "This is Brussels, Short-Wave Service of B.N.B.S.". **French:** "Ici Bruxelles, Service d'ondes courtes de la Radiodiffusion Nationale Belge". **Dutch:** "Hier Brussels, de Kortegolfuitzendingen van de Belgische Nationale Omroep". **Portuguese:** "Aqui Bruxelas, Serviço de ondas curtas da Radiodifusao Nacional Belga". **Spanish:** "Aqui Bruxelas, Servicio de ondes cortas de la Radiodifusion Nacional Belga".

STARTING-SIGNAL: Xylophone.



INTERVAL-SIGNAL: Chime. First bars of "Vers l'Avenir".



VERIFICATION by QSL-card.

BULGARIA

ADDRESS: Ministry of Culture, Direction of Radioinformation, 4 Dragan Tzankov Str., Sofia. Cable: "Radio Sofia".

LEADING PERSONALITY: Chief of International Dept.: M. Zlatincheva.

STATIONS:

	kc/s	m	kW		kc/s	m	kW
Sofia II	593	506	20	Sofia IV	6070	49.42	100
Sofia I	827	362	100	Sofia IV	7255	41.35	100
Stalin	1124	267	5*	Sofia III	7670	39.11	5
Stara Zagora	1223	245	20*	Sofia IV	9700	30.93	100

*) Regional. Relay.

HOME SERVICE in Bulgarian from Sofia:

03.30–08.00 827 N.: 03.30
10.00–13.00 827/7670 N.: 10.30
15.00–20.00 827 N.: 18.30
15.00–22.00 593 N.: 18.30, 20.45, 21.45

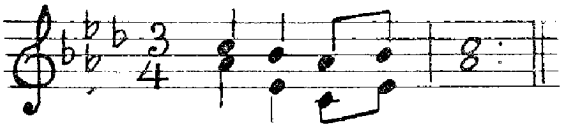
FOREIGN SERVICE:

Bulgarian
22.15–22.30 7255/7670
English
20.30–20.59 1)7255/7670
21.45–22.14 1)7255/7670
*00.30–00.59 2)6070
01.00–01.29 2)6070
04.00–04.30 2)6070
1) to Europe. 2) to U.S.A.
French
21.00–21.29 7255/7670
German
18.45–19.14 6070
21.30–21.44 7255/7670
Greek
04.45–04.59 593/7670
17.30–17.59 6070/7670
Italian
16.45–16.59 6070/7670
20.00–20.29 7255/7670
Macedonian
05.30–05.59 593/7670
10.30–11.00 593/7255/7670 (Sun. only).
16.30–16.44 6070/7670
Russian
12.00–12.15 7255
Serbo-Croatian
05.00–05.29 593/7670
10.00–10.29 593/7255/7670 (Sun. only)
1915–19.45. 6070/7670
Slovenian
18.30–18.44 6070/7670
Turkish
04.30–04.44 593/1124/1223 7670
17.00–17.29 6070/7670/1124/1223**) (exc. Sun.)
18.00–18.29 6070/7670

*) Mo. in Albanian.
**) for Turks living in Bulgaria. On Tues., Thurs., Sat. over 1124 and 1223 kc/s only.

ANNOUNCEMENT: English: "This is Sofia, Bulgaria calling".

INTERVAL-SIGNAL: Beginning of a Bulgarian song which begins with the words: "Dear Homeland":



VERIFICATION by QSL-card. Return-postage not required.

CZECHOSLOVAKIA

THE CZECHOSLOVAK BROADCAST (Govt.)

Ceskoslovensky Rozhlas

ADDRESS: Ceskoslovensky rozhlas, Stalinova 12, Praha 12. Cable: "Radiopraha".

LEADING PERSONALITY: Leader of the broadcast: Central Director.

HOME SERVICE in Czech and Slovak

	kc/s	m	kW		kc/s	m	kW
Praha II	272	1102.9	200	Ústí nad Lab.	1484	202.2	0.25
Praha I	638	470.2	120	Liberec	1484	202.2	0.25
Bratislava II	701	427.9	2	Hrad. Králové	1484	202.2	0.25
Banska Bystr.	701	427.9	100	Tatry	1484	202.2	0.25
Kosice	701	427.9	2	Ceske Budejov.	1520	197.3	5
Brno	953	314.7	100	Karlovy Vary	1520	197.3	15
Plzen	953	314.7	15	Praha II	1520	197.3	15
Bratislava I	1097	273.5	150	Ostrava	1520	197.3	20/5
Kosice, Orava	1232	243.5	100	Praha FM	56.25 mc/s		
Praha II	1286	233.3	100				

PRAHA I
On 638, 953 kc/s: Mo.- Fri.: 03.30–13.00, 15.00–23.00. Sat. 03.30–24.00. Sun. 05.00–23.00.
N.: W.: 04.00–04.10, 05.00–05.15, 06.00–06.15, 11.30–11.50, 18.00–18.40 (Newsreel), 21.00–21.20, 22.50–23.00. Sun.: 06.45–07.00, 11.00–11.20, 18.00–18.30 (Newsreel), 21.00–21.20, 22.50–23.00. – – **Time-Sig.:** From 03.30–07.00 each 15-minutes, 09.00, 11.30, 15.00, 18.00, 21.00, 23.00. – **Night Concerts of classical music** with announcements in Czech: Tues. 21.40–22.50. Mo., Thurs., Sat.: 21.50–22.50.

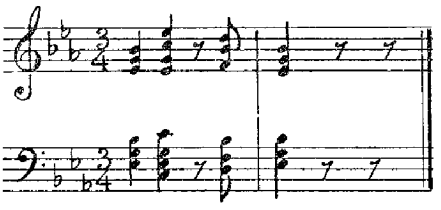
PRAHA II:
On 272, 1286 kc/s: W.: 03.30–07.00, 08.55–17.30. Sun. 03.30–17.30. On 1520 kc/s: Mo., Fri.: 03.30–07.00, 08.55–23.00. Sat. 03.30–24.00. Sun. 05.00–23.00.
N.: W.: 04.00–04.20, 05.00–05.15, 06.00–06.15, 11.30–11.50, 15.00–15.10, 18.00–18.30 (Newsreel), 22.50–23.00. Sun.: 06.45–07.00, 11.30–11.45, 18.00–18.30, 22.50. – **Weatherrep.:** 07.00. – **Time-Sign.:** As Praha I. – Night Concert: Wed., Fri., Sun. 22.50–23.50.
Reports about water level on Czech rivers: W. 08.55–09.00 in Czech, Russian & German (also **Bratislava** I and II).

PRAHA III:
On FM 56.25 mc/s D. 13.00–23.00.

BRATISLAVA I:
On 1097, 1232, 701, 1484 kc/s: D. 04.00(Sun. 05.00)–23.00.

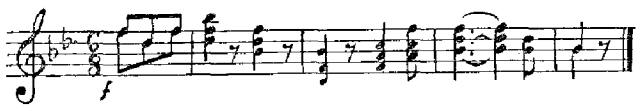
BRATISLAVA II:
On 701, 1484 kc/s: D. 04.00(Sun. 05.00)–23.00.

INTERVAL-SIGNAL: Praha I:



Praha II:

Bratislava:



VERIFICATION by QSL-card. Listeners reports are wanted. **Address:** Czechoslovak Broadcast, Stalinova 12, Praha 12, Czechoslovakia.

FOREIGN SERVICE:

MEDIUM WAVES:
Bratislava I. 1097 kc/s 273,50 m – Praha II. 1286 kc/s 233,30 m

SHORT WAVES:

OLR 8 E	7255 kc/s	41.35 m	OLR 2 C	6115 kc/s	49.06 m
OLR 3 B	9504 –	31.57 –	OLR 3 A	9550 –	31.41 –

EUROPEAN SERVICE:

English:

12.15–12.45	9504 kc/s	22.00–22.30	1286 kc/s
19.00–19.30	7255 –	23.00–23.30	6115 –
23.10–23.40	1097 –		

FRENCH:

11.15–11.45	9504 kc/s	19.00–19.30	6115 kc/s
16.30–17.00	7255 –	20.00–20.30	6115 –
16.30–17.00	6115 –	22.30–23.00	6115 –
19.00–19.30	1286 –		

GERMAN:

23.00–23.15	1286 kc/s	20.00–20.30	1286 kc/s
17.30–18.00	1286 –	20.30–21.00	6115 –

ITALIAN:

16.00–16.30	7255 kc/s	18.30–19.00	1286 kc/s
16.00–16.30	6115 –	18.30–19.00	6115 –
17.00–17.30	7255 –	21.30–22.00	6115 –
17.00–17.30	6115 –		

Serbo-Croatian: 22.00–22.30 6115 kc/s

Greek:

15.30–16.00	7255 kc/s	17.30–18.00	7255 kc/s
15.30–16.00	6115 –	17.30–18.00	6115 –

Swedish:

18.30–19.00	7255 kc/s	19.30–19.55	6115 kc/s
19.30–19.55	7255 –		

Spanish:

23.15–23.45	1286 kc/s	18.00–18.25	6115 kc/s
04.30–05.00	7255 –	21.00–21.30	7255 –
04.30–05.00	9550 –	21.00–21.30	6115 –
06.00–06.30	7255 –	22.15–22.45	7255 –
18.00–18.25	7255 –	22.15–22.45	9550 –

NORTH AMERICAN SERVICE:

English:

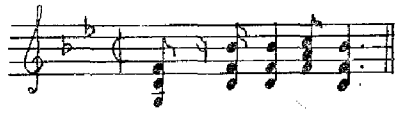
00.30–01.00	7255 kc/s	04.00–04.30	7255 kc/s
00.30–01.00	9550 –	04.00–04.30	9550 –

Czech and Slovak:

01.00–01.30	7255 kc/s	01.00–01.30	9550 kc/s

ANNOUNCEMENT: English: "Prague calling. – This is the voice of peace from Czechoslovakia".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter. Return postage not required.

DENMARK

DANISH STATE RADIO (Govt.)

ADDRESS: The Danish State Radio, Radiohuset, Rosenørnsalle 22, Copenhagen. **Cable:** Statsradio.

LEADING PERSONALITIES: Dir. Gen.: F. E. Jensen. Dir. Adm.: J. Jannik. Dir. Music: K. A. Bruun. Dir. Talks: Hans Sølvhøj. Dir. Drama: Felix Nørgaard. Dir. Outside Broadcasts: A. Dahlerup. Dir. Information and Shortwave: P. Berg. Dir. Entertainment: Sv. Pedersen. Dir. Television: Jens Fr. Lawaetz. Dir. Tec.: Fr. Heegaard. Dir. News: N. Grunnet.

HOME SERVICE:

1ST PROGR.: W.: 05.00–09.40, 10.50–22.00. Sun.: 07.00–14.00, 14.25–22.00.

Kalundborg I	245	kc/s	1224	m	150	kW
Herstedvester	1430	–	210	–	10	–
Copenhagen	1484	–	202	–	2	– *)
Herstedvester	6060	–	49.50	–	50	– **)
Copenh. FM I	90.8	mc/s	3.30	–	30	–

*) 17.00–22.00 only. – **) 17.40–21.15 only.

News: 05.00(W.), 06.00(W.), 07.00, 11.30, 17.45, 21.00. – **Weather-reports:** 07.45, 10.55, 16.40. – **Religious:** Sun.: 09.00, 13.00. – **Language Lessons: French:** Mo. 17.00–17.20. Fri. 21.15–21.35. – **English:** Mo. 17.20–17.40. Tues. 21.15–21.35. Thurs. 21.35–22.00. – **German:** Tues. 21.35–22.00. Thurs. 21.15–21.35. – **Spanish:** Tues. 17.00–17.20. – **Russian:** Every second Fri. 21.35–22.00. – **Request Progr.:** Sun. 11.00–13.00. Tues. 18.15–19.15.

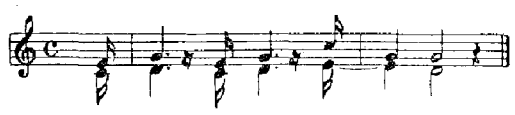
2ND PROGR.: W.: 17.00–22.00. Sun.: 08.00–11.00, 17.00–22.00

Kalundborg II	1061	kc/s	283	m	60	kW
Herstedvester	1430	–	210	–	10	–
Skive	1430	–	210	–	70	–
Aalborg	1484	–	202	–	0.25	–
Tønder	1484	–	202	–	0.25	–
Esbjerg	1594	–	188	–	2	–
Copenhagen FM II	95.6	mc/s	3.11	–	30	–

ANNOUNCEMENT: "Danmarks Radio Program I (Program II)".

INTERVAL-SIGNAL: Program I: From an old Danish folksong: Daily at 11.00 and 19.00: The chimes of the Town Hall in Copenhagen.

Program II:



FOREIGN SERVICE:

Abbreviations: NA=North America. SA=South America. FE=Far East. AU=Australia. NZ=New Zealand. FI=Faroe Islands. HS=Home Service. DS=Danish Ships. ME=Middle East. A=Africa. E=Europe. SAS=South Asia. C=Canada.

Herstedvester	OZF3	6060 kc/s	49.50 m	50 kW	
Herstedvester	OZF4	7260 –	41.32 –	50 –	
Herstedvester	OZF5	9520 –	31.51 –	50 –	
Herstedvester	OZF7	15165 –	19.78 –	50 –	
Herstedvester	OZF8	15180 –	19.76 –	50 –	
Herstedvester	OZF9	15320 –	19.58 –	50 –	

00.00–00.30	Tues., Thurs., Sat.	on 9520 kc/s	DS	
01.30–02.30	D.	on 9520 –	NA, C	
02.30–03.00	Tues., Thurs., Sat.	on 9520 –	DS	
03.00–04.00	D.	on 9520 –	NA	
04.00–04.30	Tues., Thurs., Sat.	on 9520 –	DS	
05.00–06.00	Tues., Fri.	on 15180 –	A, ME	
09.00–10.00	Tues., Thurs., Sat.	on 15165 –	FE, AU, NZ*)	
10.00–10.30	Tues., Thurs., Sat.	on 15165 –	DS	
14.00–15.00	Sun.	on 9520 –	FI	
14.00–15.00	Tues., Thurs., Sat.	on 15165 –	SAS**)	
15.00–15.30	Tues., Thurs., Sat.	on 15165 –	DS	
17.00–17.30	Tues., Thurs., Sat.	on 9520 –	DS	
17.40–21.15	D.	on 6060 –	HS	
23.00–24.00	Mo., Wed., Fri.	on 9520 –	SA	

*) Last 15 minutes in English. – **) Every second Wed. in the Danish programme "Mailbag".

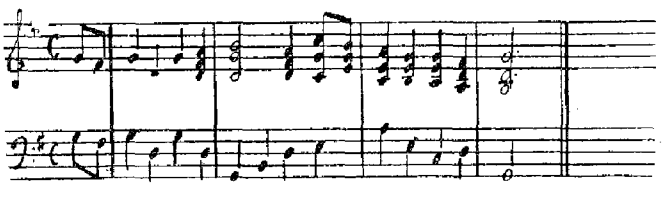
Programmes in Danish consist of **News in Danish, Danish Music, Songs, Talks and Features** about life in Denmark and **Reportages.** – On all weekdays the broadcasts to U.S. and Canada consist of a 30 minute program in Danish and a 30 minute program in English.

A sketch of a weeks programme in Danish and English. The emphasized items being in **English.: Mo.: N.. Literary. Music. Danish Views on the N.. Classical Danish Music. – Tues.:** N. Reportage. Feature. **Entertainment. Dx-Bulletin. – Wed.:** N.. Entertainment. **Actualities. Danish Folk Music. Thurs.:** N.: Feature. **Quiz, Concert. – Fri.:** N. Talk. Danish Views on the N., Entertainment. – **Sat.:** N.. Light Progr. **Saturday Night Club. – Sun.:** Church Service. Danish Music. Reportage **– The Saturday Night Club will also contain letters from listeners and musical requests. –**

On Wed. 23.00–23.30 (N. and Music) and on Fri. 23.15–23.30 a special programme (Feature and Music) in **Spanish** (to S. America). A special **DX-bulletin** is broadcast on Wed. at the end of the two North American programmes.

ANNOUNCEMENT: "Danmarks Kortbølgesender". – "You are tuned to the Voice of Denmark". – Every transmission begins with the chimes of the Town Hall, followed by the National Anthem.

INTERVAL-SIGNAL: The first movement of "Som en rejselysten Flaade" composed by Carl Nielsen.



MESSAGE TO LISTENERS: The Danish State Radio is anxious to receive reports on programmes and on reception conditions from all parts of the world. It makes every endeavour to get into touch with country-men and listeners in countries abroad with a view of providing the best possible short wave service.

VERIFICATION: Reports answered by letter or QSL-card.

FINLAND

OY YLEISRADIO AB. (Govt.)

ADDRESS: Unionkatu 16, H, Helsinki. Cable: "Yleisradio".

LEADING PERSONALITIES: Dir. Gen.: Einar Sundström. Deputy Dir. Gen.: Onni Toivonen. Dir. Finnish Progr.: Jussi Koskiluoma. Dir. Swedish Progr.: Ragnar Ölander. Dir. Tec.: Juho Rissanen. Heads of Sections: Music: Jouko Tolonen. Finnish Talks: Reino Tuokko. Finnish Outside Broadcasts: Leo Meller. Finnish Theatre: Olavi Paavolainen. Finnish Broadcasts Schools: Helmi Palmén. Swedish Lectures and Outside Broadcasts: Christoffer Schildt. Swedish Theatre: Karin Mandelstam. Swedish Broadcasts Schools: Nils-Göran Engström. Information: Velli Virkkunen. Station Building: K.S.Sainio. Studios: Paavo Arni. Advice: Paavo Velander.

HOME SERVICE in Finnish and partially Swedish:

LONG AND MEDIUM WAVES:

W. 04.30–06.20, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

	kc/s	m	kW		kc/s	m	kW
Lahti	254	1181	200	Helsinki II	1484	202	1
Oulu	433	693	10	Pietarsaari			
Joensuu	520	577	1	(Jakobstad)	1484	202	1
Helsinki I	557	539	100	Pori	1484	202	1
Kuopio	755	397	20	Tampere	1484	202	1
Ylivieska	836	359	10	Tammisaari			
Helsinki III	845	355	0.2	(Ekenäs)	1484	202	0.2
Turku I (Åbo)	962	312	100	Turku II (Åbo)	1484	202	0.2
Vaasa (Vasa)	1241	242	10				

SHORT WAVE:

Pori OIX7	6120	49.02	15

FM STATIONS:

W. 04.30–06.20, 08.50–12.10, 15.00–21.00. Sun. 05.45–21.00.

	mc/s	kW		mc/s	kW
Tammisaari	89.5	10	Vaasa I	95.2	25
Kristiina	90.1	10	Lahti	95.5	40
Imatra	91.0	15	Savonlinna	95.8	10
Helsinki I	91.9	40	Rovaniemi	96.7	10
Jyväskylä	92.2	10	Vaasa II	97.3	25
Tampere	93.7	10	Kokkola	97.6	10
Turku I	94.3	10	Pori	97.9	10
Helsinki II	94.6	0.7	Pietarsaari	99.7	10
Mikkeli	94.6	10			

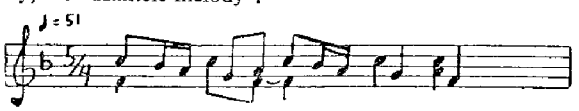
FIXED PROGRMMES: F=Finnish. S=Swedish

N.: 04.30–04.40 (F), 04.40–04.50 (S), 06.00–06.10 (F), 06.10–06.20 (S), 10.30–10.40 (F), 10.40–10.50 (S), 17.00–17.15 (F), 17.15–17.30 (S), 20.00–20.10 (F), 20.10–20.20 (S).–**Request Progr.**: Sat. 15.00–16.00 (F. and S.).–**Religious Progr.**: Sun. 08.00–09.25 (F), 11.00–12.20 (S) **Weekdays**: 05.30–05.45 (S), 05.45–06.00 (F). Mo. Wed. Fri. 17.30–17.40 (F). Fri. 16.50–17.00 (S).–**Language Lessons**: Mo. Fri. 15.55–16.10(F). Swedish: Tues. 15.40–15.50(F). **Russian**: Tues. 15.40–15.55(F). **Finnish**: Sun. 12.20–12.35 (S).–**Mailbag**: Mo. 11.45–12.10, 15.35–15.55 (F). 16.45–17.00 (S). –**Progr. Preview**: W. 08.50–09.00 (F+S). Sun. 09.25–09.30 (F), 10.55–11.00 (S), 12.20–12.35 (F).–**Weather Rep.**: Daily 06.10 (F), 06.20 (S), 10.30 (F), 10.40 (S), 10.55 (F+S), 17.00 (F), 17.15 (S), 20.00 (F), 20.10 (S).–**Time Sign.**: 04.30 (W), 04.40 (W), 06.00, 06.10, 10.30, 10.40, 15.00, 17.00, 17.15, 20.00, 20.10.

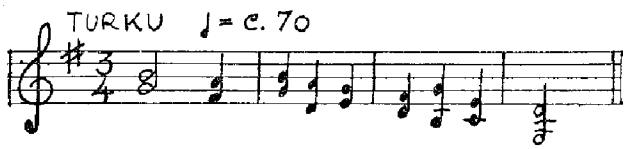
ANNOUNCEMENTS: **Finnish**: "Suomen Yleisradio" followed by program announcement, (all stations). **Finnish** and **Swedish**: "Suomen Yleisradio, Finlands Rundradio", (Helsinki, Turku, Vaasa and Pietarsaari).

INTERVAL-SIGNALS: Every weekday at 08.45: Normal-a.

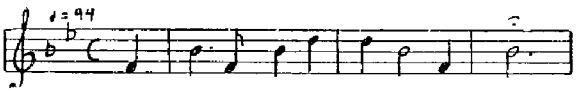
Lahti and **Helsinki**: The interval-signal is based on an old Finnish melody, the "Kantele melody".



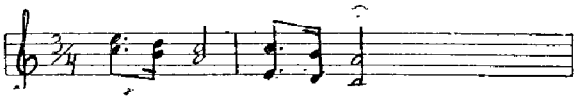
Turku: A fragment of "Ergo plebs finnonica", the hymn of St. Henrik



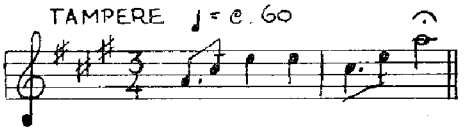
Vaasa: The first notes of "Vasa March" by Karl Collan.



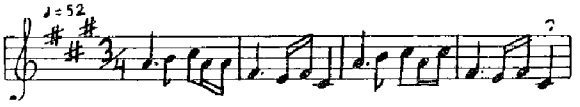
Kuopio: The first notes of a well-known song about the beauty of the lake Kallavesi.



Tampere: The first notes of a well-known folk-song, "On the Tamper. bridge".



Oulu: Lapp yodelling



VERIFICATION by QSL-card.

FOREIGN SERVICE: Pori

OIX 2	9555 kc/s	31.40 m	15 kW	12.00–12.55
OIX 4	15190 –	19.75 –	100 –	09.30–10.50, 11.00–13.00
OIX 5	17800 –	16.85 –	10 –	09.30–10.50, 11.00–13.00

FOR EUROPE and S. AMERICA: 09.30–10.50 on 15190, 17800 kc/s.

N. in English: W. 09.30–09.45. **N. in French**: W. 09.45–10.00. **Relay Finnish Home Service**: W. 10.00–10.50. Sun. 09.30–10.30. **For Seafarers**: Sun. 09.30–10.30. **Relay Finnish Home Service**: Sun. 10.30–10.50. **N. in Finnish**: D. 10.30–10.40. **N. in Swedish**: D. 10.40–10.50.

FOR N. AMERICA: 11.00–12.55 on 15190, 17800 kc/s. (Also on 9555 kc/s at 12.00–12.55).

N. in English: W. 11.00–11.15.–**N. in French**: W. 11.15–11.30.–**Progr. in Swedish**: W. 11.30–12.00 (exc. Mo.). Sun. 11.00–11.30.–**Progr. in Finnish**: W. 12.00–12.55 (Mo. 11.30–12.55). Sun. 11.30–12.55.

ANNOUNCEMENT: **English**: "Finland Calling". **Finnish**: "Suomen Yleisradio". **Swedish**: "Finlands Rundradio".

INTERVAL-SIGNAL: Lahti (Home Service).

VERIFICATION by QSL-card. Listeners reports are wanted.

FRANCE

RADIODIFFUSION-TÉLÉVISION FRANÇAISE (Govt.)

ADDRESSES: The Central Service – Radiodiffusion Télévision Française 107, rue de Grenelle, Paris 7ème. – Cable: Radiodi à Paris. The Regional Services: 2, Cours de Tournon, Bordeaux. – 36, Bld. de la Liberté, Lille – 6, Bld. V. Hugo, Limoges. – 20, Quai Gailleton, Lyon. – 34, Rue Croix-de-Régnier, Marseille. – 6, Rue Hippolyte Maringer, Nancy. – Palais du Commerce, Rennes. – 2, Av. de la Marseillaise, Strasbourg. – 78 bis, Allée Jean-Jaurés, Toulouse.

LEADING PERSONALITIES: The Central Services: Président du Conseil Supérieur: M. Rivet Paul. Directeur Général: M. Porche. Chef du Service des Affaires Générales: M. Bonami. Directeur des Services Généraux: M. Tardas. Directeur des Services Techniques: M. Leschi. Chef du Service de l'Exploitation: M. Barroux. Directeur des Servicés Artistiques: M. Gilson. Directeur des Programmes de Télévision: M. d'Arcy. Administrateur des Servicés Artistiques: M. Lenoble. Directeur des Informations et du Journal Parlé: M. Gayman. Chef du Service des Emissions vers l'Etranger: M. Rollin. Chef du Service des Echanges Internationaux: M. Robida. Directeur du Programme National: M. Barraud. Directeur du Programme Parisien: M. Brechignac. Directeur de Paris-Inter: Mme Mella. Chef du Club d'Essai et du Centre d'Etudes Radiophoniques: M. Tardieu.
The Regional Services (Regional Directors): Bordeaux: M. Dieduaide. **Lille**: M. Lafond (par intérim). **Limoges**: M. Sudrie. **Lyon**: M. Wadin. **Marseille**: M. Besse. **Nancy**: M. Villatte. **Rennes**: M. Favennec. **Strasbourg**: M. Caussidery. **Toulouse**: M. Beral.

HOME SERVICE:

NATIONAL NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris I	863	348	100	Marseille I	710	422	100
Bordeaux	1205	249	100	Strasbourg II	1277	235	100

Synchronized Network 1: 1241 kc/s 242 m 20 kW (Nantes 10 kW).

Advertisement

L'ACTIVITE DE LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON EN MATIERE DE RADIODIFFUSION

Les matériels de radiodiffusion fabriqués par la COMPAGNIE FRANÇAISE THOMSON-HOUSTON comportent des émetteurs en ondes longues, moyennes ou courtes, dont les puissances vont de 50 watts à plus de 400 kW. La reconstruction du Réseau Français de Radiodiffusion après la guerre s'est effectuée en presque totalité avec des émetteurs C.F.T.H. et notamment celle du « Centre d'Allouis Ondes-Courtes ». Certains pays étrangers se sont également équipés avec ces mêmes émetteurs.

Le Centre Emetteur de Radiodiffusion de Strasbourg-Sélestat, par exemple, – inauguré en 1953 – est encore et généralement considéré comme LE PLUS MODERNE DU MONDE grâce à l'emploi de la technique révolutionnaire du Système Vapodyne, mise au point en 1950 par le Groupe Electronique de la COMPAGNIE FRANÇAISE THOMSON-HOUSTON.

Cette technique permet en effet de grouper, dans un bâtiment de dimensions exceptionnellement réduites, quatre émetteurs de 100 kW (TH. 755) et la totalité de leurs organes annexes. Ces quatre émetteurs peuvent être couplés deux à deux et assurer ainsi la diffusion simultanée de deux programmes distincts avec une puissance de 200 kilowatts.

Les caractéristiques exceptionnelles de cette station de radiodiffusion ont été rendues possibles par l'emploi de nouveaux tubes d'émission à filament de tungstène thorié dits « VAPOTRONS ». **Le rendement de l'installation se trouve considérablement augmenté** (60%).

Une maquette, ayant figuré successivement à la « Foire Internationale de MILAN » au mois d'avril puis à « l'Exposition Française de Montréal » en septembre dernier, permettait de se rendre compte comment l'énorme quantité de chaleur dissipée dans ces tubes à grande puissance est évacuée dans un bouilleur relié à un condenseur. Il en résulte une simplification considérable par rapport aux systèmes de refroidissement (eau ou air forcé) employés jusqu'ici; la chaleur évacuée peut d'autre part être récupérée pour des usages auxiliaires (chauffage du bâtiment).

Cet ensemble, réalisé avec des accessoires standard (bouilleur, réservoir témoin de niveau, coffret de sécurité, condenseur) était la reproduction exacte d'une installation pour refroidissement d'un Vapotron de 50 kW. Il est à noter que le VAPOTRON peut être également employé à d'autres applications (chauffage haute-fréquence par exemple) et spécialement aux émetteurs de radiocommunications.

Actuellement, la COMPAGNIE FRANÇAISE THOMSON-HOUSTON ne cesse d'accroître ses activités et ses réalisations parmi lesquelles il y a lieu de citer les principaux centres émetteurs suivants de radiodiffusion dont l'installation lui a été confiée aussi bien dans la Métropole et dans les Territoires de l'Union Française (AFRIQUE DU NORD – A.O.F. – INDOCHINE) qu'à l'Etranger:

ALGER (Algérie)
ALLOUIS (Cher)
ANDORRE
BARCELONE (Espagne)
BELGRADE (Yougoslavie)
BORDEAUX (Néac)
BREST (Quimerch)
CONSTANTINE (Algérie)
DAKAR (A.O.F.)
DIJON (Côte-d'Or)
ENNEZAT (Puy-de-Dôme)
FELSBERG (Sarre)
GRENOBLE (Isère)
LÉOPOLDVILLE (Congo belge)
LILLE (Camphin)
LIMOGES (Nieul)
LOUVETOT (Seine Infre)
LYON (Tramoyes)
LJUBLJANA (Yougoslavie)
MARSEILLE (Réaltort)
MONTBELIARD (Doubs)
MONTPELLIER (Hérault)
MONTE-CARLO (Principauté)
NANCY (Nomény)
NANTES (Montbert)
NICE (La Brague)
ORAN (Les Trembles)
PARIS (Romainville)
PARIS (Villebon)
PRISTINA (Yougoslavie)
RABAT (Maroc)
SAIGON (Indochine)
SARAJEVO (Yougoslavie)
SEBAA-AYOUN (Maroc)
SKOPLJE (Yougoslavie)
SARREBRUCK (Sarre)
STRASBOURG (Sélestat)
TANANARIVE (Madagascar)
TUNIS (Djedeida)
TITOGRAD (Yougoslavie)
TRIESTE (Capo d'Istria)
ZAGREB (Yougoslavie)

– Postes régionaux divers –

THE ACTIVITY OF LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON IN BROADCASTING MATERIAL

The broadcasting materials manufactured by LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON cover longwave, medium wave and shortwave transmitters, the powers of which range from 50 watts to more than 400 kw. The reconstruction of the French broadcasting network after the war has been carried out nearly totally with C.F.T.H.-transmitters and especially the "Centre d'Al ouis Shortwave Transmitters". Certain foreign countries have equally been equipped with the same transmitters.

The Strasbourg-Selestat Central Broadcasting Transmitter, which was inaugurated in 1953, is for instance still and generally considered THE MOST MODERN STATION IN THE WORLD, thanks to the revolutionary "Vapodyne" system, prepared in 1950 by the Electronic Group of LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON.

This technique permits, in fact, to install 4 100 kw-transmitters (TH. 755) together with all necessary units in a building of exceptionally reduced dimensions. These 4 transmitters can be used two at a time thus ensuring the simultaneous broadcasting of two different programmes with a power of 200 kilowatts.

The exceptional characteristics of this broadcasting station have been made possible by the employment of "VAPOTRONS", a new kind of transmission tubes with a filament of thoriated tungsten. **Thus the yield of the installation is considerably increased** (60%).

A model, shown succesively at the Milan Fair in april and at the French Exhibition at Montreal in September last, demonstrated how the enormous quantities of heat dissipated by these powerful tubes are evacuated into a boiler connected to a condenser. A considerable simplification is obtained by connection with the ordinary cooling systems (water or compressed air); on the other hand the evacuated heat can be recuperated for auxiliary purposes (heating of the building).

This ensemble, realised with standard accessories (boiler, level control reservoir, safety box, condenser) was the exact reproduction of a cooling installation for a "Vapotron" of 50 kw. It must be noted that the "Vapotron" can also be employed for other applications (highfrequency heating for instance) and especially for radiocommunication-transmitters.

At present LA COMPAGNIE FRANÇAISE THOMSON-HOUSTON are constantly increasing their activities and realisations, among which there is reason to mention the following principal broadcasting transmitters, the installation of which has been trusted to their organisation. These are to be found as well in the French Capital, and in the territories of The French Union (NORTH AFRICA – A.O.F. – INDOCHINE) as abroad:

ALGERIA (Algiers)
ALLOUIS (Cher)
ANDORRA
BARCELONA (Spain)
BEOGRAD (Yugoslavia)
BORDEAUX (Néac)
BREST (Quimerch)
CONSTANTINE (Algeria)
DAKAR (A.O.F.)
DIJON (Côte-d'Or)
ENNEZAT (Puy-de-Dôme)
FELSBERG (Sarre)
GRENOBLE (Isère)
LEOPOLDVILLE (Congo belge)
LILLE (Camphin)
LIMOGES (Nieul)
LOUVETOT (Seine Infre)
LYON (Tramoyes)
LJUBLJANA (Yugoslavia)
MARSEILLE (Realtort)
MONTBELIARD (Doubs)
MONTPELLIER (Hérault)
MONTE CARLO (Principality)
NANCY (Nomény)
NANTES (Montbert)
NICE (La Brague)
ORAN (Le Trembles)
PARIS (Romainville)
PARIS (Villebon)
PRISTINA (Yugoslavia)
RABAT (Morocco)
SAIGON (Indochina)
SARAJEVO (Yugoslavia)
SEBAA-AYOUN (Morocco)
SKOPLJE (Yugoslavia)
SAARBRÜCKEN (Saar)
STRASBOURG (Sélestat)
TANANARIVE (Madagascar)
TUNIS (Djedeida)
TITOGRAD (Yugoslavia)
TRIESTE (Capo d'Istria)
ZAGREB (Yugoslavia)

– Several regional stations –

Lille II, Nancy II, Pau, Rennes II, Lyon II, Nice III, Quimper I.
Syncronized Network II: 1349 kc/s 222 m 20 kW
Clermont, Grenoble I, Nantes, Dijon, Limoges II, Toulouse II.
Syncronized on commen international wavelength:
1484 kc/s 202 m 0.5/1 kW: Annemasse, Caen, Poitiers, St Brieux.

DAILY PROGRAMMES: W. 05.43–08.20, 11.00–23.00. Sun. 06.28–23.00.
N.: W. 06.00, 08.00, 12.00, 13.00, 18.30, 22.46. Sun. 07.00, 08.05, 12.00, 22.46.
Language Lessons: (Paris 347 m), 08.15–08.30. – Mo. English – Tues. Italian – Wed. Spanish – Thurs. French – Fri. German – Sat. French. – Esperanto Thurs.: 08.30–08.38.
"Ici New York" (Relay from New York): W. 17.30–18.00. – **"Paris Vous Parle"**: Sun. 18.40. W. 18.30.
Time-Sig.: W. 05.43, 06.00, 08.00, 08.15, 11.00, 11.59, 13.00, 18.30, 22.45, 23.00. Sun. 06.28, 07.00, 11.59, 18.40, 22.45, 23.00.
Weatherrep.: 05.44, 06.23, 06.54, 08.13, 11.57, 18.00, 22.45. Sun. 06.29, 06.59, 08.13, 11.57, 18.39, 22.45.
Bourse: W.: 13.22. – **Program Preview:** W.: 06.25. – **"Grand" Messe:** Sun. 09.00–10.00 (relayed on 7280 kc/s).

PARISIENNE NETWORK:

	kc/s	m	kW		kc/s	m	kW
Paris II	1070	280	100	Toulouse I	944	318	100
Marseille II	syncr. st.		20	Lyon I	602	498	100
Lille I	1376	218	100	Nancy I	836	359	100
Rennes I	674	445	100	Strasbourg I	1160	259	100
Limoges I	791	379	100	Bayonne	1493	201	1

Synchronized Network III: 1403 kc/s 214 m 20 kW. Bordeaux II, Louvetot, Montpellier (10 kW), Nice II, Quimper II.

DAILY PROGRAMMES: W. exc. Tues., Wed.: 05.29–08.01, 10.59 (Mo. 10.29)–22.00. Tues., Wed.: 05.29–08.01, 10.59–13.00, 17.23(Wed. 16.54)–21.45. Sun. 05.59–22.30.
Parisienne Programme can be heard daily on 9755 and 9675 kc/s from 19.00–19.20(Sat. 19.30).
N.: W.: 05.30, 07.00, 19.00, 21.00. Sun.: 06.00, 19.00, 21.30.
Time Sig.: W.: 05.29, 07.00, 08.00, 10.29 or 10.59, 22.00 or 21.45. Sun.: 05.59, 18.59, 22.30.
Weatherrep.: W.: 11.04. – **"Actualités de Paris":** D.: 11.30. – **"Les Disque des Auditeurs":** Sun.: 06.15–06.30, 07.45–08.15. – **"Gazette de Paris":** W.: 06.30. – **"Ici New York":** Sun. 17.30.

PARIS INTER NETWORK:

Allouis 164 kc/s 1829 m 250 kW – Nice I 1554 kc/s 193 m 60 kW.
Low Power Stations:

Paris Grenelle	584	514	1	Perpignan	1484	202	1
Toulouse III	1493	201	0.25	Grenoble II	1484	202	0.05
Marseille III	1493	201	1	Montpell. III	1484	202	0.25
Nantes II	1493	201	0.05	Nimes	1594	188	2
Strasbourg III	1493	201	0.05	Toulon	1594	188	0.05

DAILY PROGRAMMES: D.: 05.30–23.15.
Paris Inter Programme can be heard on 6200 kc/s: Sun. from 06.30 to 23.15 and W. 06.00 to 23.15.
Progr. in Arabic: W.: 05.31–06.00. – **Symphony:** Thurs. 19.00. – **Tribune de Paris:** W. exc. Mo., Thurs. 19.30. – **Special Broadcast:** 962 kc/s 312 m 5kW. – **Culture Francaise:** Sun. 08.00–11.00. Sat. 12.30–15.00. – **Club d'Essai:** Sun. 12.30–16.30. Fri. 13.00–15.30. From Sorbonne Mo. to Fri. Lectures between 08.00–17.00.

FM: 96.1 mc/s 3.12 m 20 kW: Sun. 16.45–22.05. W.: 17.30–22.00.

ANNOUNCEMENTS:
The National, the Parisienne and Paris Inter Networks: At opening and close down: "La Marseillaise". – **General announcement:** "Ici Paris Radiodiffusion-Television Française" Programme National (or "Parisien" or "Paris Inter"). – **Bordeaux:** "Ici Bordeaux Radiodiffusion-Television Française". – **Lille:** The first movements of the melody "Petit Quinquin" followed by "Ici Radio-Lille – Radiodiffusion-Television Française". – **Limoges:** "Ici Limoges – Radiodiffusion-Television Française". – **Lyon:** Harmonizing by R. Corniot of the melody "Les Boeufs" by P. Dupont followed by "Ici Lyon – Radiodiffusion-Television Française". – **Marseille:** The first movements of the Provencal Suite by Bessière followed by "Ici Marseille Provence – Radiodiffusion-Television Française". – **Nancy:** The first movements of "La Marche Lorraine" followed by "Ici Radio Lorraine". – **Rennes:** The first movements of "Troyens" by d'Hector Berlioz followed by "Ici Radio Bretagne". – **Strasbourg:** The first movements of "Que notre Alsace est belle" followed by "Ici Strasbourg – Radiodiffusion-Television Française". – **Toulouse:** The first movements of "Montagnards".

FOREIGN SERVICE:

STATIONS:
Short Wave Centre Allouis and Issoudun: 13 transmitters, each 100 kW, and 1 transmitter 10 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5955	50.37	7240	41.44	9675	31.01	15100	19.87
5965	50.28	7280	41.21	9680	30.99	15240	19.68
6045	49.63	9440	31.78	9755	30.76	15295	19.61
6145	48.82	9540	31.45	9765	30.72	15350	19.54
6200	48.39	9550	31.41	11700	25.64	15400	19.48
7105	42.22	9560	31.38	11845	25.32	17850	16.81
7120	42.13	9620	31.19	11920	25.17	21640	13.86
7160	41.89	9625	31.17	11970	25.06	21740	13.79
7220	41.55	9640	31.12				

EUROPEAN SERVICE:
German: W.: 18.00–19.00 on 1277, 6045 kc/s – Sun. 18.40–19.30 on 1277 kc/s.
Bulgarian: D.: 18.45–19.30 on 9560 kc/s.
Czech and Slovak: D.: 19.00–20.00 on 5955, 7105 kc/s (Also Tanger 9685 kc/s).
Danube Balkan in French: Sun. 17.30–17.45 (**"Religious Progr."**) on 5955, 7220 kc/s.
D.: 20.00–20.57 on 5955, 7105 and 9685 kc/s (Tanger).
English to Great Britain: 06.45–07.00 **(French by Radio)** on 7220 kc/s. W.: 19.45–20.00 **(French by Radio)** on 9440, 11970 kc/s. – D.: 20.00–21.00 on 6045, ~~9625~~ kc/s.

Greek: D.: 11.30–11.45 (relayed by R. Athens) on 15295 kc/s.

Hungarian: D.: 18.15–19.00 on 5955, 7240, 9642. – 21.00–21.45 on 9685 kc/s (Tangier. Retransmission of 18.15 progr.).

Polish: D.: 19.00–20.00 on 6045, 7160, 9625, 9640 kc/s.
W.: 17.00–17.15 **(French by Radio)** on 5955, 7220 kc/s.
17.30–18.00 on 1376 kc/s. – Sun. 10.00–11.00 **(Religious Service from the Polish Church in Paris)** on 7280, 9560 kc/s.

Portuguese: W.: 07.00–07.15 on 7220 kc/s **(French by Radio)**.
D.: 19.00–19.30 on 7240, 9765 kc/s.
W.: 19.30–19.45 on 9765 kc/s **(French by Radio)**.

Rumanian: D.: 18.00–18.45 on 9560, 11920 kc/s.

Spanish: D.: 21.00–21.45 on 5955, 7240 kc/s.
Sun. 22.00–22.45 on 944 kc/s.

Serbo-Croatian and Slovene (to Yugoslavia) D.: 18.00–19.00 on 7160, 9625, 9675 kc/s.

OVERSEAS SERVICE:
French:
To Madagascar, Comoro Islands, French Somali Coast, Reunion, Kerguelen: 01.30–01.45 on 7105 kc/s. 16.00–17.15 on 11845, 15350 kc/s.

To Tahiti, Marquésas Islands: 05.30–06.30 on 9550 kc/s.

To French West Africa and French Equatorial Africa: 06.45–07.30 on 11920, 15240 kc/s. 11.45–12.00 on 17850, 21740 kc/s. 20.00–21.30 on 9560, 11845, 15240 kc/s.

To New Caledonia, New Hebrides: 07.30–08.00 on 15240, 17850 kc/s.

To Antilles, Guiana, St. Pierre and Miquelon: 10.30–11.00 on 15240 kc/s. 23.30–01.00 on 9680, 11700 kc/s (rel. by Fr. de France).

To Indo-China: 12.58–15.00 on 15400, 17850 kc/s. 22.30–23.00 on 9675 kc/s.

To Canada: 15.30–15.45 on 15100, 15350, 17850 kc/s (Mo.-Fri.).

To Middle East: D.: 17.15–18.00 on 9675, 11845 kc/s.

ANNOUNCEMENT: "Allo... (name of area), Paris vous parle".

VERIFICATION by QSL-card.

GERMANY

GERMAN FEDERAL GOVERNMENT

DEUTSCHE WELLE

(Arbeitsgemeinschaft der öffentlichrechtligen Rundfunkanstalten der Bundesrepublik Deutschland).

ADDRESS: Deutsche Welle, Köln, Wallrafplatz 5, NWDR-Funkhaus.

LEADING PERSONALITY: Chefredakteur: Dr. Hans Otto Wesemann.

STATIONS: Norden-Osterloog – 20 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5980	50.17	9640	31.12	11795	25.44	17815	16.84
7290	41.15	9735	30.82	15275	19.64	17845	16.81

OVERSEAS SERVICE in German:

	8/11–6/2 mb	7/2–8/5 mb	9/5–7/8 mb	8/8–6/11 mb
10.30–13.30 to Far East	31–25–19	31–25–19	25–19–16	25–19–16
14.30–17.30 to Near East	41–31–25	41–25–19	41–25–19	41–25–19
18.00–21.00 to Africa	41–31–25	41–31–25	41–31–25	41–31–25
22.00–01.00 to S. America	49–31–41	41–31–25	41–31–25	41–31–25
01.30–04.30 to N. America	49–41–31	49–41–31	49–41–31	49–41–31

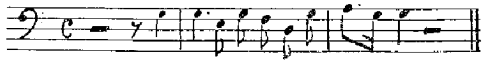
Three frequencies in use for each service.

N. in German: 10.30, 14.30, 18.00, 22.00, 01.30.
N. in English and French: 11.30, 15.30, 19.00, 02.30.
N. in Spanish and Portuguese: 23.00.
N. and Commentary: 13.15, 17.15, 20.45, 00.45, 04.15.
"Wie wir leben": 12.30, 16.30, 20.00, 00.00, 04.30.
"Die bunte Platte": Mo. 10.45, 14.45, 18.15, 22.15, Tues. 01.45.
Press Review: Wed. 11.30, 15.30, 19.00, 23.00. Thurs. 02.30.
"Unter uns gesagt": Fri. 11.30, 15.30, 19.00, 23.00. Sat. 02.30.
Symphony: Every Fri./Sat. after the progr. "Unter uns gesagt".
"Volksmusik": Tues. 12.45, 16.45, 20.15. Wed. 00.15, 03.45.

ANNOUNCEMENTS:

German: "Hier ist die deutsche Welle. Sie hören uns aus Köln über Richtstrahler nach... im... Meterband auf... kHz. Die Deutsche Welle sendet dieses Programm im Auftrag der Rundfunkanstalten der Bundesrepublik Deutschland. Sie hören uns täglich von ... bis ... Uhr mitteleuropäischer Zeit". – **English:** "Good evening, everybody. This is the voice of Germany. Our programme from Cologne is beamed to ... on the ... metre band. The frequency is ... kilocycles. This programme is sponsored by the broadcasting stations of the German Federal Republic and is on the air every day from ... to ... p.m. Central European time". – **French:** "Ici la Voix de l'Allemagne! Bon soir mesdames, bon soir mesdemoiselles, bon soir messieurs. Depuis Radio Cologne, autorisée par les emetteurs de la République Fèdèrale Allemande, vous allez entendre un programme – destine a nos auditeurs en ... sur la longeur d'onde de ... mètres. La Voix de l'Allemagne vous sera transmise tous les jours de ... heures à ... heures (heure de l'Europe centrale)". – **Spanish:** "Habla la voz de Alemania. Están Uds. oyendo nuestro programa desde Colonia, dirigido a Iberoamerica, por onda corta de ... metros o sean ... Kilociclos. Este programa es transmitido a pedido de las emisoras de la Republica Federal Alemana todos los dias de ... a ... horas, hora de la Europa central". – **Portuguese:** "Fala à voz da Alemanha. Ouvem nosso programa de Colonia dirigido à America Latina em ondas curtas de ... metros igual à ... kilocyclos. Este programa é transmitido à pedido das casas emissoras da República Federal Alema, diariamente das ... as ... horas, hora central europea".

INTERVAL-SIGNAL: Motiv from "Fidelio" by Beethoven: "Es sucht der Bruder seine Brüder" played on Celesta.



VERIFICATION by QSL-card or letter. Reports from foreign countries are welcomed. No return-postage required.

FUTURE PLANS: Two 100 kW transmitters in 1956.

BAYERISCHER RUNDFUNK (Anstalt des öffentlichen Rechtes)

ADDRESS: Bayerischer Rundfunk, Anstalt des öffentlichen Rechtes, München 2, Rundfunkplatz 1. Cable: "Rundfunk München".

LEADING PERSONALITIES: Intendant: Rudolf von Scholtz. Verwaltungs Direktor: Hans Spies. Fernsehdirektor: Dr. Clemens Münster. Technischer Direktor: Dr. Ferdinand Daser. Sendeleiter: Otto Freundorfer.

HOME SERVICE

PROGRAM I: 04.30(Sun. 05.00)–24.00.

Medium Waves:

	kc/s	m	kW			kc/s	m	kW	
Nürnberg II	520	577	5	1)	Hof	962	312	0.4	4)
Bayreuth	520	577	0.4	2)	Nürnberg I	1602	187	20/40	3)
München	800	375	100	*)					

*) Daytime non-directional. Nighttime directed to North-East. 1) Daytime. 2) Nighttime. 4) Day- and Nighttime. 3) Daytime 20 kW. Nighttime 40 kW.

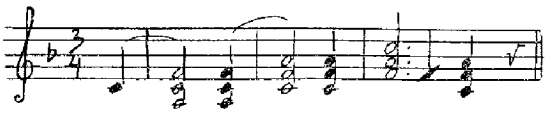
Short Waves:
München 6160 kc/s 48.70 m 10 kW relay Home Service.
Time-Signal: 23.00, 05.00, 11.00, 17.00.

PROGRAM II FM: W.: 17.00–24.00. Sun. 06.00–22.30.

	Ch	mc/s	kW		Ch	mc/s	kW
Tegernseer Tal	2	87.6	0.1	Berchtesgaden	9	89.7	0.25
Landshut	3	87.9	0.1	Hohenpeissenberg	9	89.7	3
Ochsenkopf/Fichtelgebirge	4	88.2	10	Coburg	10	90.0	1
Gelbelsee/Eichst. Alb.	5	88.5	3	Wendelstein	10	90.0	5
Burgstall/Hoher Bogen	6	88.8	3	Bad Reichenhall	11	90.3	0.25
Traunstein/Hochberg	7	89.1	1	Grünten/Algäu	12	90.5	10
Rotbühl	8	89.4	3	Bamberg/Geisberg	13	90.9	5
Nürnberg	15	91.5	0.15	Würzberg/Frankenwarte	14	91.2	1
Brotjacklriegel	15	91.5	10	Passau/Kühberg	20	93.0	0.15
München-Freimann	16	91.85	0.15	Hühnerberg b. Harburg	21	93.3	5
Büttelberg/Frankenhöhe	18	92.4	5	Moritzberg Augsburg-	23	93.9	3
Kreuzeck b. Garm. Partenk.	20	93.0	0.15	Göggingen Pfaffenberg b.	24	94.2	0.15
Kreuzberg/Rhön	20	93.0	10	Aschaffenbg. Hohe Linie b.	24	94.2	3
				Regensburg	25	94.5	3

ANNOUNCEMENT: "Hier is der Bayerische Rundfunk".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter.

FUTURE PLANS: 1 FM station 250 Watt in Lindau.

HESSISCHER RUNDFUNK (Anstalt des öffentlichen Rechts).

ADDRESS: Bertramstrasse 8, Frankfurt-am-Main. Cable: "Radio Frankfurt".

LEADING PERSONALITIES: Intendant: Eberhard Beckmann. President of the Board of Broadcasting: Stadtrat a D. Dr. Rudolf Keller. President of the Board of Administration: Ministerialdirektor i. R. Dr. Kurt Magnus. Administrator: Hans Schmorl. Direktor of the Staff: Willi Heckroth. Technical Director: Dr. Eng. Franz Miseré. Justitiar: Lawyer Wolfgang Lehr. Dir. Politic and Actuelles: Otto Herr. Dir. Education: Prof. Dr. Gottfried Hausmann. Dir. Television: Dr. Hans Joachim Lange. Dir. Music: Heinz Schröter. Dir. Entertainment: Hans Otto Grünefeldt.

HOME SERVICE in German

PROGRAMME I
Frankfurt 593 kc/s 505.8 m 100 kW
Meissner 593 – 505.8 – 20 –
Feldberg FM 88.5 mc/s 60 kW
Mo., Thurs.: 04.30–09.10 (Tues. 09.00, Wed. 08.40, Thurs. 08.45), 10.00–13.05, 14.00–23.05. **Fri.:** 04.30, 08.40, 10.00–13.05, 14.00–03.30 (Sat.) **Sat.:** 04.30–09.10, 10.00–04.30 (Sun.). **Sun.:** 05.30–23.05. Fri. from 23.05, Sat. from 24.00 on 593 kc/s (Frankfurt) only.
Fixed Programmes: N. and Commentary: W. 04.30–04.40, 05.00–05.05, 05.50–06.05, 07.00–07.05, 11.35–12.00, 16.45–17.00, 18.30–19.00, 21.00–21.20, 23.00–23.05. – Sun. 07.00–07.10, 11.40–12.00, 18.30–18.50, 18.50–19.00, 21.00–21.20, – 23.00–23.05 (Sat. 00.00–00.15 and Sun. 01.00–01.05 **news from RIAS** on 593 kc/s (Frankfurt) only). **Religious Progr.:** Sun. 07.15–08.15, Thurs. (fortnightly) 08.30–08.45, Fri. (fortnightly) 15.45–16.00. – **Volksmusik:** Sun. (fortnightly) 09.30–10.00. Mo., Thurs. 16.00–16.45. – **Request Progr.:** Sat. 16.00–16.45. – **Weatherrep.:** W. 04.35, 05.00, 06.04, 07.04, 11.59, 18.54, 21.09, 23.04. Sun. 05.30, 07.00, 11.59, 18.49, 21.09. 23.04. – **Progr. Preview:** W. 05.59. Sun. 06.55 and when necessary.

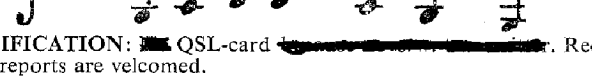
PROGRAMME II
Mo.- Fri.: 17.45–23.00. Sat. 13.00–23.00. Sun. 07.00–23.00.

		mc/s	kW		mc/s	kW
Meissner	FM	89.7	90	Biedenkopf FM	91.2	60
Hardberg	FM	89.7	0.5	Feldberg II FM	92.1	60
Würzberg	FM	89.7	0.5			

N.: Sat., Sun. 20.00–20.30. – **Weatherrep.:** Mo.- Sat. 20.24. Sun. 05.30, 11.59, 20.19. – **Religious Progr.:** Sun. 08.15–08.45. – **Progr. Preview:** 20.57.
Obs.: Mo.–Fri. 04.30-17.45, 23.00-23.05, **Sat.** 04.30-13.00, 23.00-24.00. **Sun.** 05.30-07.00, 23.00-23.05 all stations are radiating the 1st programme.

ANNOUNCEMENT: "Hier ist der Hessische Rundfunk".

INTERVAL-SIGNAL: Motif from Humperdinck's Opera "Hänsel und Gretel".



VERIFICATION: [redacted] QSL-card [redacted]. Reception reports are welcomed.

FUTURE PLANS: A new FM station at Kreuzberg/Rhön 1956/57.

NORDWESTDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Rechts.)

ADDRESS: (24a) Hamburg 13, Rothenbaumchaussee 132/34. Cable: Nordfunk. **NWDR Köln:** Köln/Rhein, Wallrafplatz 5. **NWDR Han-**

nover: Hannover Rudolf-von-Bennigsen, Ufer 22. **Studios:** Bonn Bundeshaus. Düsseldorf: Klosterstrasse 60. Dortmund: Märkische Str. 120. Flensburg: Friedrich-Ebert-Str. 1. Oldenburg: Oldenburg i. O. Ziegelhof.

LEADING PERSONALITIES: Vorsitzender Hauptausschuss: Oberlandesgerichtspräsident Prof. Dr. Herbert Ruscheweyh, Hamburg. Vorsitzender Verwaltungsrat: Staatssekretär Dr. Karl Mohr, Düsseldorf. Generaldir.: Dr. h. c. Adolf Grimme. Persönlicher Referent des Generaldir.: Dr. Friedrich Wenzlau. Stellvertretender Generaldir. und 1. Dir.: Dr. Franz Schmidt. Technischer Dir.: Prof. Dr. Werner Nestel. Justitiar: Dr. Hans Brack. Finanzdir.: Dr. Georg Hubrich. Programmreferent des Generaldir. und Leiter der Rundfunkschule: Alexander Maass. Leiter Aussenreferat: Walter D. Schultz. Leiter Pressestelle: Hanns Ruppersberg. Leiter Nachrichten-Hauptredaktion: Hans Schmid. Leiter Abteilung "Hörerforschung": Wolfgang Ernst. – **Funkhaus Hamburg:** Intendant: Ernst Schnabel. Stellver. Intendant und Hauptabteilungsleiter Wort: Dr. Walter Hilpert. Leiter Musikabteilung: Harry Hermann Spitz. Leiter Schulfunk: Franz Reinholz. Leiter Abteilung "Politisches Wort": Dr. H. F. G. Starke. Leiter Abteilung "Kulturelles Wort": Dr. Jürgen Eggebrecht (Sitz im Funkhaus Hannover). Leiter Abteilung "Unterhaltendes Wort": Albin Stuebs. Leiter Nachtprogramms: Jürgen Schüddekopf. Leiterin Wirtschaftsfunk: Dr. Julia Dingwort-Nusseck. Leiter Abteilung "Hörspiel und Produktion": Dr. Heinz Schwitzke. Leiter Abteilung "Zweites Programm Nord": Dr. Jürgen Petersen. Leiter "Niederdeutsche Abteilung": Heino Landrock. Leiter Abteilung "Zeitfunk": Rüdiger Proske. Sendeleiter: Josef Wilkens. Technischer Leiter: Obering. Hans Ehrich. – **Funkhaus Hannover:** Leiter: Dr. Franz B. Zons. Leiter Abteilung "Kulturelles Wort": Dr. Jürgen Eggebrecht. – **Funkhaus Köln:** Intendant: Hanns Hartmann. Stellv. Intendant und Sendeleiter: Hans-Herbert Fischer. Leiter Musikabteilung: Prof. Dr. Edmund Nick. Leiterin Schulfunk: Frau Dr. Begiebing. Leiter Abt. "Politisches Wort": Walter Steigner. Leiterin Abt. "Kulturelles Wort": Dr. Friedel Hömke. Leiter Abt. "Unterhaltendes Wort": Peter Kottmann. Leiter Nachtprogramm: Dr. Carl Linfert. Leiter Hörspiel-Abteilung: Wilhelm Semmelroth. Leiter Wirtschaftsfunk: Dr. Hans-Otto Wesemann. Technischer Leiter: Obering. Karl Schulz.

HOME SERVICES in German:

MEDIUM WAVE-PROGRAMME:

	kc/s	m	kW	
Hamburg	151	1986.0	35	19.00–24.00
Braunschweig-Salzgitter	520	577.0	2	03.55–10.00, 11.00–00.10 1)
Aachen-Stolberg	701	427.8	2	03.55–09.30, 11.00–00.10 1)
Herford	701	427.8	2	03.55–10.00, 11.00–00.10 1)
Osterloog	701	427.8	2	03.55–10.00, 11.00–00.10 1)
Siegen	755	397.3	2	03.55–09.30, 11.00–00.10 1)
Göttingen	971	309.0	5	03.55–10.00, 11.00–00.10 1)
Hamburg	971	309.0	100	03.55–09.30, 10.45–00.10 1)2)
Langenberg	971	309.0	100	03.55–09.30, 10.45–00.10 1)2)
Münster	1502	199.7	0.4	03.55–09.30, 11.00–00.10 1)
Flensburg	1570	191.1	2	03.55–09.30, 10.30–00.10 1)
Lingen	1570	191.1	2	03.55–10.00, 11.00–00.10 1)
Bonn	1586	189.1	5	03.55–09.30, 11.00–00.10 1)
Hannover	1586	189.1	20	03.55–10.00, 11.00–00.10 1)
Kiel	1586	189.1	5	03.55–09.30, 10.30–00.10 1)
Kleve	1586	189.1	0.4	03.55–09.30, 11.00–00.10 1)
Oldenburg	1586	189.1	40	03.55–10.00, 11.00–00.10 1)
Osnabrück	1586	189.1	5	03.55–10.00, 11.00–00.10 1)

1) Mo.-Fr.. Sat. 11.00–01.10 and Sun. 04.55–00.10.
2) During the nights Fri./Sat., Sat./Sun., Sun./Mo., Mo./Tues. night-programmes 00.15–03.45 and during the night Sat./Sun. 01.15–04.45.

Short Wave (relay m.w. programme):
Norden Osterloog 6075 kc/s 49.38 m 20 kW: 03.55–09.30, 10.45–00.10

FM stations (relay m.w. progr.): 03.55–09.30, 10.45–00.10
Berlin II 88.8 mc/s 0.1 kW – Köln II 93.3 mc/s 0.25 kW – Langenberg 87.9 mc/s 10 kW – *)Hamburg II 95.1 mc/s 0.04 kW – Hannover II 97.8 mc/s 0.8 kW – Langenberg 87.9 mc/s 60 kW – Teutoburger Wald 99.0 mc/s 100 kW – Bungsberg/Ostholstein b. Eutin 91.5 mc/s 0.5 kW.
*) experimental

Fixed Programmes:
N.: W.: 04.00–04.05, 05.00–05.05, 06.00–06.05, 07.00–07.10, 07.55–08.00, 12.00–12.10, 16.00–16.05 (exc. Sat.), 18.00–18.10, 20.45–20.55, 23.00–23.15. Sun.: 06.00–06.05, 08.00–08.10, 12.00–12.10, 18.00–18.10, 20.45–20.55, 23.00–23.15. – **Weatherrep.:** After each newscast (exc. 16.00) and for North- and Baltic Sea: 10.45, 00.00 (Sat./Sun. 01.00).– **Time-Sig.:** 11.59.

FM-Programme NORD
Mo.-Fri. 05.30–12.45, 13.30–24.00. Sat.: 05.30–24.00. Sun. 06.30–24.00. N.: W.: 06.30, 07.30, 18.55, 22.00. Sun.: 12.30, 18.55, 22.00.

	mc/s	kW		mc/s	kW
Lübeck	87.9	0.25	Lingen	92.4	3
Hamburg I	88.5	10	Hannover I	93.0	10
Göttingen	88.8	1	Norden	93.3	3
Flensburg	89.4	3	Dannenberg	93.3	0.5
Heide	90.0	3	Osnabrück	93.6	1.5
Braunschweig	90.9	1.5	Kiel	94.2	1
Oldenburg	91.2	10	Bungsberg	95.7	0.25

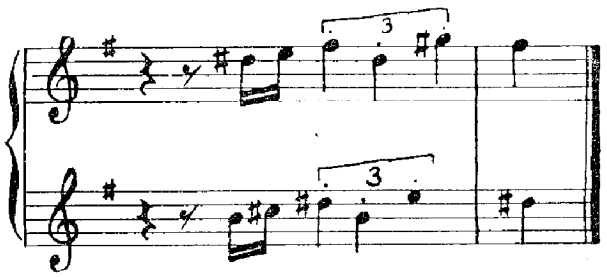
FM-Programme WEST
Mo.-Fri.: 05.45–13.00, 15.00–23.00. Sat.: 05.45–24.00. Sun.: 06.00–23.00.
N.: W.: 06.30, 07.30, 11.30, 16.45 (local), 19.00, 22.00. Sun.: 07.30, 11.30, 19.00, 22.00.

	mc/s	kW		mc/s	kW
Bonn	88.8	0.25	Münster	94.5	3
Aachen	89.1	1	Hamburg 3	96.3	3
Köln I	89.7	0.25	Langenberg	97.5	10
Kleve	91.5	0.25	Monschau	98.4	0.05
Siegen	91.8	1.5	Teutoburger Wald	99.0	3
Nordhelle	93.9	3			

ANNOUNCEMENT: "Hier ist der Nordwestdeutsche Rundfunk... (name of station)".

INTERVAL-SIGNAL: Motif from the first movement of Johs. Brahms' 4th Symphony, played from Hamburg on two oboes, Cologne on two horns and Hannover on two trumpets.

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter. Reports to be addressed to: Nordwestdeutscher Rundfunk, Senderüberwachung, Wittsmoor/Post Wedel, Holstein, or to Technische Hörerpost, Hamburg 13, Rothenbaumchaussee 132/134.

FUTURE PLANS: New FM stations: Harz I (FM Programme Nord); Teutoburger Wald II, Heide II and Bungsberg II (m.w.-Programme).

RADIO BREMEN

ADDRESS: Radio Bremen, Anstalt des öffentlichen Rechts, Heinrich-Hertz-Str. 13, Bremen.

LEADING PERSONALITIES: Intendant: Walter Geerdes. Dir. Progr.: Dr. Hans Arnold. Dir. Tech.: Ansgar Olshausen. Adm.: Helmuth Oliver. Music-Dept.: Dr. Siegfried Goslich. Plays- and Literature-Dept.: Dr. Oskar Wessel. Home-Service: Eberhard Freudenberg. School-Radio: Gerhard Schäfer. News-Dept.: Rolf Menzel. Hans Herbert Westermann. Entertainment-Dept.: Dieter Rohkohl. Press-Dept.: Rudolf Dumont du Voitel. Conductor: Theo Hollinger.

HOME SERVICE in German:

First Programme:
Bremen 1358 kc/s 221 m 20 kW – Bremerhaven 1079 kc/s 278 m 2 kW
W.: 05.30–08.45, 05.00–00.30 (relays NLDR FM Nord), 09.30–11.00 (relays NWDR FM West), 11.00–13.40, 14.00–15.00 (relays NWDR FM North), 15.00–22.15, 22.15–24.00 (relay NWDR FM North, Wedn. and Thurs. 00.00–04.00, Light Music from RIAS. S.: 06.00–22.15, 22.15–23.00 (relays NWDR FM West), 23.00–24.00 (relays NWDR FM North).

Second Programme FM:
Bremen 89.1 mc/s 3 kW – Bremerhaven 91.8 mc/s 0.25 kW.
W.: 17.00–22.00, other times first progr. S.: 07.10–10.30, 13.30–22.00, other times first progr.

ANNOUNCEMENT: "Hier ist Radio Bremen mit dem ersten bzw. zweiten Programm".

INTERVAL-SIGNAL: Three notes: b/d/e. The first three letters of Bremen. The note "d" is the italian "re" and is standing for the letter "r" of Bremen.

SÜDDEUTSCHER RUNDFUNK (Anstalt des öffentlichen Retchs).

ADDRESS: Süddeutscher Rundfunk, Neckarstrasse 145, Stuttgart. **Cable:** Rundfunk Stuttgart.

LEADING PERSONALITIES: Intendant: Dr. Fritz Eberhard. Dir. Progr.: Dr. Peter Kehm. Administrator: Friedrich Müller. Chief Engineer: Dr. Helmuth Rupp. Chief for Plays: Mrs. Cläre Schimmel. Dir. Music: Hans Müller-Kray.

HOME SERVICE:

Medium Wave:	kc/s	m	kW	
Mühlacker	575	522	100	1' Progr.§)
Ulm-Jungingen	1169	257	3	1' – *)
Heilbronn-Obereisesheim	1169	257	8	1' – *)
Heidelberg-Dossenheim	998	301	8	1' – **)
Bad Mergentheim Löffelstelzen	1412	212	3	1' – **)
Mühlacker s.w.	6030	49.75	20	1' –
FM	**mc/s**	**kW**		
Stuttgart-Degerloch I	94.5	3		1' Progr.
Aalen I	92.7	3		1' –
Heidelberg-Königstuhl I	91.5	0.25		1' –
Stuttgart-Funkhaus	93.2	0.25		2' – ***)
Waldenburg	93.6	10		2' – ***)
Ulm-Wilhelmsburg	91.5	0.25		2' – ***)
Stuttgart-Degerloch II	90.9	10		2' – ***)
Aalen II	89.1	3		2' – ***)
Mühlacker	88.8	1		2' – ***)
Bad Mergentheim Löffelstelzen	88.8	0.1		2' – ***)
Heidelberg-Königstuhl II	87.9	10		2' – ***)
Geislingen-Oberböhringen	87.6	0.25		2' – ***)

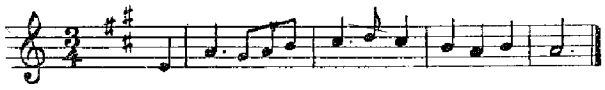
§) and a night-progr.: Tues., Wed., Thurs.: 23.10–03.15. – *) Network Württemberg. Relay 1' Progr. exc. Mo., Fri. 17.45–19.00, Sat. 14.00–19.00 2' Progr. – **) Network Baden. Relay as indicated for Network Württemberg. – ***) Relay the entire 2' Progr. and 1' Progr. from opening.

FIRST PROGRAMME: W.: 03.55–08.30, 09.15–23.15 (Tues., Wed. Thurs. 03.15, Sat. 24.00), Sun. 04.55–24.00. – N.: W. 04.30, 05.00, 06.00, 07.00, 08.00, 11.30, 13.15, 17.00, 18.30, 21.00, 23.00. Sun.: 07.00, 11.30, 18.30, 18.40 (The week in Bonn), 21.00, 23.00. – **"Volksmusic":** W.: 11.45, Wed. 16.00, Sat. 14.00. – **Progr. Preview:** Sun.: 09.55, 11.55. – **The Voice of USA:** W.: 17.45. – **"Aus der Wirtschaft":** Mo., Tues., Thurs., Fri.: 14.45.

SECOND PROGRAMME: Mo. to Fri. 16.00–22.15, Sat. 14.00–24:00, Sun. 07.00–22.15. – N.: W. 16.00, 17.00, 20.00, 22.00. Sun.: 07.00, 09.00, 12.00, 20.00, 22.00.

ANNOUNCEMENT: "Süddeutscher Rundfunk".

INTERVAL-SIGNAL: The first notes of a Swabian folksong: "Jetzt gang i ans Brünnele".



VERIFICATION by letter. Reports wanted.

SÜDWESTFUNK

ADDRESS: Südwestfunk, Anstalt des öffentlichen Rechts, Moltkestr. 5, Baden-Baden.

LEADING PERSONALITIES: Intendant: Prof. Fr. Bischoff. Progr. Dir.: L. Hartmann. Dir. Tec.: E. Becker. Adm.: A. Manke. Press- and Information Dept.: Dr. E. Laurence. Studio-Dir.: K. Stippich. Legal Adviser: Prof. Dr. Carl Haensel.

HOME SERVICE

PROGRAMME I: Sun.: 06.00–00.15 (Rheinsender only to 03.45). Mo.: 05.00–23.10 (Rheinsender only to 03.45). Tues., Thurs., Fri.: 05.00–23.10. Wed.: 05.00–24.00. Sat.: 05.00–01.00.

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Baden-Baden	827	363	1.5	Trier	827	363	1
Freiburg	827	363	40	Rheinsender	1016	295	70
Kaiserslautern	827	363	2	Bad Dürrheim	1538	195	20
Koblenz	827	363	0.5	Ravensburg	1538	195	40
Sigmaringen	827	363	1	Reutlingen	1538	195	5

Short Wave: Wolfsheim 7265 kc/s 41.29 m 1 kW.

FM:	mc/s	kW		mc/s	kW
Baden-Baden 1	92.5	0.25	Linz 1/A. Rh.	97.8	3
Betzdorf 1/Westerw.	93.0	0.25	Potzberg 1/		
Blauen 1	95.7	1	Westpfalz	95.4	3
Hardtkopf 1/Hunsrück	93.6	3	Raichberg 1/Alb.	91.8	3
Hochrheinsender 1	89.1	0.1	Witthoh 1/Hegau	87.6	1
Hornisgrinde 1	93.0	10	Wolfsheim 1	96.9	3
Koblenz 1	94.5	1			

N., Weatherrep.: W.: 05.00, 07.00. Tues.-Sat. (Intern. N.): 06.00, 07.00, 08.30, 10.50, 11.45, 12.00. Mo.-Sat. ("Deutsche Pressestimme"). 16.15, 17.10, 18.30, 21.00, 23.00. Sun.: 06.00, 07.00, 08.00, (Religious news), 11.45, 18.40, 21.10, 23.00 – **Bourse:** Mo., Wed., Fri. 14.00. Sat. 13.00. **Tribüne der Zeit:** W.: 18.30. – **Zeitfunk:** Mo.–Fri.: 18.00, Sat. 18.15. – **Religious Progr.:** Sun. 07.30 (evangelic), 08.15 (catholic), W. 05.50.

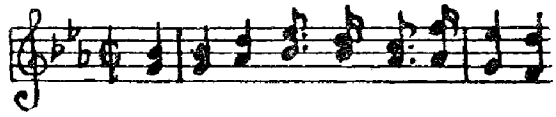
PROGRAMME II: Sun.: 06.00–24.00. Mo., Tues., Thurs., Fri.: 05.20–23.10. Wed.: 05.20–24.00. Sat.: 05.20–01.00.

FM:	mc/s	kW		mc/s	kW
Baden-Baden 2	89.9	0.25	Mainz	93.3	0.05
Betzdorf 2	89.4	0.25	Linz 2	96.0	3
Blauen 2	87.9	3	Potzberg 2	91.2	3
Haardtkopf 2	90.0	5	Raichberg 2	88.2	3
Hochrheinsender 2	92.7	0.1	Waldburg	92.4	3
Hornisgrinde 2	89.4	10	Weinbiet	90.3	6
Koblenz 2	90.9	1	Witthoh 2	91.2	1
			Wolfsheim 2	99.3	3

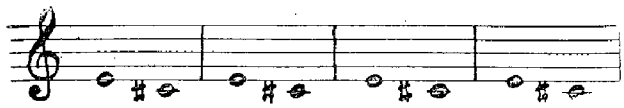
N., Weatherrep.: W.: 05.20, 06.30, 07.20, 11.00, 15.25, 18.00, 21.30, 23.10. Sun.: 06.00, 09.00, 10.30 (Religious), 13,00, 18.20, 21.30, 23.00. **French by Radio:** Mo., Tues., Thurs., Fri.: 09.00. – **Probleme der Zeit:** W.: 20.30. – **Tribüne der Zeit:** W. 21.30.

ANNOUNCEMENT: "Hier ist der Südwestfunk mit seinem I Programme (bezw. II Programme").

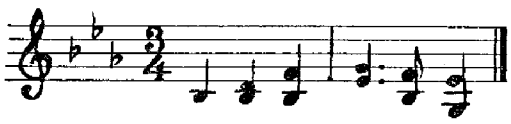
INTERVAL-SIGNALS: Baden-Baden: Motif from Mozart's "Zauberflöte": "Bald prangt den Morgen zu verkünden".



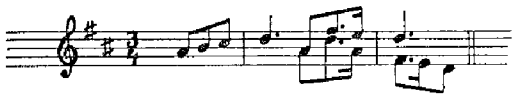
Studio Freiburg: Glockenmotiv des Freiburger Münsters: "Petrus und Maria".



Studio Tübingen: "Droben im Oberland...".



Landesstudio Rheinland-Pfalz (Mainz):



VERIFICATION by letter.

FUTURE PLANS: Eifelsender bei Gerolstein (Kreis Daun), Channel 3 5 kW.

WEST-BERLIN

RIAS–Berlin (United States Information Agency)

ADDRESS: Berlin-Schöneberg, Kufsteiner Strasse 69. **Cable:** RIAS-Berlin.

LEADING PERSONALITIES: Dir.: Gordon A. Ewing. Dir. Progr.: Eberhard Schütz. Deputy Dir. Progr.: Gerhard Löwenthal. Dir. Tec.: Albert Pösniker. Directors of Adm.: Max R. Braun, Herbert Koch. Dir. Public Relations: Dr. Klaus Brock, Hubert Adler.

HOME SERVICE

München	173 kc/s	1735 m	1000 kW	04.30–07.30, 10.45–12.00
Berlin	683 –	439 –	100 –	04.00–16.58
Hof	737 –	407 –	40 –	04.00–01.05
Berlin	989 –	303 –	300 –	04.00–03.57
Berlin	6005 –	49.96 –	20 –	04.00–02.05*)
Berlin FM	93.6 mc/s	3 –	3 –	

*) Sat. 04.00 to Tues. 02.05 without break.

PROGRAMME I:
W.: 04.00–17.00, Sun. 04.00–13.00: All frequencies.
W.: 17.00–23.00, Sun. 13.00–23.00: 989 kc/s only.
D.: 23.00–01.05: All frequencies.
D.: 01.05–02.05: All frequencies exc. 737 kc/s.
D.: 02.05–03.57: 989 kc/s only.

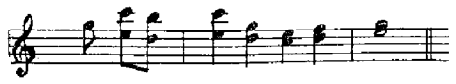
N., Weatherrep.: 04.00, 04.30, 05.30, 06.30, 07.30, 08.30, 11.30, 12.30, 15.30, 18.00, 20.00, 22.00, 23.00, 00.00, 01.00, 02.00, 03.00. – Religious: D.: 05.40–05.45, Sun.: 05.45–06.00, 07.00–07.30 (Catholic), 07.40–08.00 (Evangelic). – Request Progr.: D.: 10.30–11.00. – Progr. Preview: 08.25, 11.45(Sun. 11.55), 16.00, 18.30. – Time-Sig.: 11.00, 17.00, 23.00. – "Stimme Amerikas": 05.45–06.00, 17.45–18.00, 21.45–22.00. – National Music: Mo. 20.30–20.55 (Lieder der Heimat). – European Hour: Sun. 17.00–18.00.

PROGRAMME II:
D. 17.00(Sun. 13.00)–23.00: 737, 6005 kc/s and FM 93.6 mc/s. Sun. only 13.00–16.58 also 683 kc/s.

N., Weatherrep.: D.: 17.30, W.: 19.30, 22.00, Sun. 20.30. – "Stimme Amerikas": W.: 17.15–17.30, 20.00–20.15. – European Hour: Sun. 14.00–15.00.

ANNOUNCEMENT: "Hier ist RIAS-Berlin".

INTERVAL-SIGNAL: From a Trio Sonate by Karl Fasch.



VERIFICATION by letter. Reception-reports are welcomed. No return postage required.

SENDER FREIES BERLIN

ADDRESS: Sender Freies Berlin, Anstalt des öffentlichen Rechts, Heidelberger Platz 3, Berlin-Wilmersdorf (West-Berlin). Cable: Sender Freies Berlin.

LEADING PERSONALITIES: Intendant and Dir. Progr.: Alfred Braun. Dir. Adm.: Otto Bach. Dir. Tec.: Udo Blässer. Head of Progr.: Gerhard Löwenthal. Studio Controller: Dr. Peter Teichmann. Head of Adm.: Herbert Koch.

HOME SERVICE in German:

Berlin 1st Progr.	566 kc/s	530 m	20 kW
FM	90.0 mc/s		3 –
Berlin 2nd Progr.	1484 kc/s	202 m	5 –
FM	93.6 mc/s		3 –

DAILY PROGRAMMES:

1st Programme: Sun. Mo. Fri. Sat. 03.55–03.45. Tues. Wed. Thurs. 03.55–24.00.

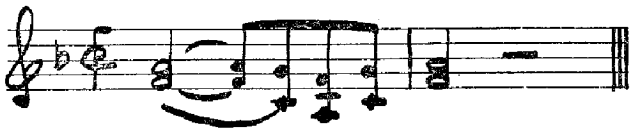
News: W. 04.00, 05.00, 06.00 06.55, 07.55, 12.00, 16.00 (exc. Sat.), 18.30, 21.00, 23.00. Sun. 06.00, 08.00, 12.30, 18.30, 21.00, 23.00.

2nd Programme: Sun. Mo. Fri. 06.28–23.00, Sat. 06.28–24.00.

News: W. 06.30, 07.30, 11.30, 16.45 (exc. Sat.), 18.45, 22.00. Sun. 11.30. 18.45, 22.00.

ANNOUNCEMENT: "Hier ist der Sender Freies Berlin".

INTERVAL-SIGNAL: Beethoven's Egmont-Fanfare.



VERIFICATION by letter. Reports to Hörerpost-Section.

ALLIED STATIONS

AMERICAN FORCES NETWORK (United States Army).

The American Forces Network operates solely to provide American Forces in Europe with information, education and entertainment by means of radio broadcasting.

ADDRESS: APO 757, c/o Postmaster, New York, N.Y., USA.

LEADING PERSONALITIES: Chief, American Forces Network: Lt. Colonel H. G. Price. Engineering Supervisor: F. C. Clarke. Program Supervisor: Hunt Downs.

STATIONS:	kc/s	m	kW		kc/s	m	kW
Munich	548	547	100	Wurzburg	1142	263	0.25
Nurnberg	611	491	10	Bamberg	1304	230	0.25
Kaiserslautern	665	451	10	Berchtesgaden	1304	230	0.25
Grafenwohr	665	451	2	Heidelberg	1304	230	1
(Bayreuth)				Regensburg	1304	230	0.25
Frankfurt	872	344	150	Sonthofen	1304	230	0.25
Berlin	935	321	5	Bitburg	1394	215	0.25
Ansbach	1034	290	0.25	Garmisch	1502	199	0.25
Bad Kissingen	1034	290	0.25	Giessen	1502	199	0.25
Kassel	1034	290	0.25	Straubing	1502	199	0.25
Stuttgart	1106	271	100	**Short Wave:**			
Bremerhaven	1142	263	1	Frankfurt	3188	93.8	10
Coburg	1142	263	0.25	**FM:**	mc/s	m	kW
Fussen	1142	263	0.25	Heidelberg FM	93.7	3.18	0.25
Hersfeld	1142	263	0.25	Frankfurt FM	94.9	3.16	10

DAILY PROGRAMMES: 05.00(Sun. 06.00)–00.05. – Fulda, Ansbach, Bad Kissingen, Coburg, Hersfeld, Garmisch and Giessen: 14.00–00.05. "Report from Europe": Mo.–Fri.: 20.00. – "This World this Week": Sat. 20.00 – "Request Parade": Sun. 16.30. – "This is Germany": Wed. 21.20. – Language Lesson: Sun. 11.45–12.00 (Sat. 08.30) (German). – Program Preview: Sun. 08.25.

ANNOUNCEMENT: "This is AFN, the American Forces Network" announced at least every half-hour.

INTERVAL-SIGNAL: Every hour on the hour AFN announces the time and the sixth and final pip is exactly on the hour as announced.

VERIFICATION by letter. Return postage not required.

RADIO LIBERATION (Pr. – Former Citizens of the U.S.S.R.)

Radio Liberation speaks to the peoples of the U.S.S.R. and the Soviet armed forces as the free voice of their fellow countrymen abroad. Radio Liberation is supported by the American Committee for Liberation from Bolshevism, Inc., which also operates the transmitting facilities.

ADDRESS: Radio Liberation, Lilienthalstrasse 2, Munich 19, Germany, – or American Committee for Liberation from Bolshevism, Inc., 6 East 45th Street, New York 17, New York, U.S.A.

LEADING PERSONALITIES: Pres. of the American Committee: Howland W. Sargeant. Deputy to Pres. Europe: Robert F. Kelleya. Dir. R. Division: Manning H. Williams.

STATIONS: Programs are prepared in Munich, Germany. Transmitting facilities are located at Lampertheim, Germany.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3390	75.18*	7130	42.08	9680	30.99	11765	25.50
6055	49.55	7225	41.52	9765	30.72	11780	25.47
6175	48.58	7245	41.40	11720	25.60	11785	25.45
6185	48.50	9585	31.30				

*20 kW. Other frequencies 10 kW.

DAILY PROGRAMMES:
Abbreviations: n=night. d=day. e=evening. m=morning. R=Russian. U=Ukrainian. B=Byelorussian. T=Tatar-Bashkir. L=Local.

Target					
Berlin	3390 6175	n d	R.	00.00–24.00	1)
Vienna	6055		R.	08.00–18.00	
Kiev	6055 9585	n d.e.	U.R.2)	00.00–24.00	
S. Russia	7130	n	R.	21.30 05.00	
	11780	d	R.	06.00–07.30, 08.00–09.30 etc. to 19.30	
Moscow	11785		R.	08.30–16.00	
Minsk-Moscow	6175		R.B.3)	20.30–08.00	
Minsk-Moscow-Leningrad	7225 9765	n d.e.	R.B.3)	00.00–24.00	
Kazan-Ufa	11780 9585	d n	T.	05.30–06.00, 07.30–08.00 etc. to 20.00	
Caucasus-Turkestan	7245 9680 11720	n.m. n d	L.R.4)	00.00–24.00	

1) Times when transmissions begin and end, frequencies used, and times when frequencies are changed may vary considerably with the season of the year. Times given here are for September and will be approximately the same for March. Precise schedules for the current month may be obtained by writing Radio Liberation, Lilienthalstrasse 2, Munich 19, Germany.

2) Ukrainian is transmitted during even-numbered hours. Russian during odd-numbered hours.
3) Byelorussian is transmitted during the first half of oddnumbered hours: 01.00–01.30, 03.00–03.30 etc.
4) The following schedule is maintained: Azerbaijani: 00.00–00.30. – Armenian: 00.30–01.00. – Georgian: 01.00–01.30. North Caucasus program in Russian and various languages of area: 01.30–02.00. – Russian: 02.00–02.30. – Turkestani: 02.30–03.00. – Azerbaijani: 03.00–03.30 etc.

ANNOUNCEMENT: Azerbaijanian: Danyshyr Azatlyk Radiosu. – Armenian: Kjosum E "Azatagrutyun" Radiokayane. – Byelorussian: Gavoryc Radyio Vysvalen'ne. – Georgian: Laparakobs Radiosadguri Gantkhavisupkhleba. – N. Caucasus: Govorit Radiostantsiya Osvobozhdeniye (Russian) plus announcements in six local languages. – Russian: Govorit Radiostantsiya Osvobozhdeniye. – Tatar-Bashkir: Monda "Azatlyk" Radiostansyese Syuili. – Turkestan: Soezlayatgan "Azatlyk" Radiosy (Uzbek) Gepleyar "Azatlyk" Radiosy (Turkmen) plus announcements in two other local languages. – Ukrainian: Govorit' Radio Vysvolennia.

VOICE OF AMERICA RELAY BASE (Government)

ADDRESS: Voice of America, c/o American Consulate, Munich, Germany, or Voice of America, Washington 25, D. C., USA.

STATIONS:
Medium Wave: Munich A 1196 kc/s 251 m 150 kW. D.: 15.30–23.30.
Long Wave: Munich-C 173 kc/s 1734 m 1000 kW. D.: 10.45–22.45.
Short Wave: Munich 8/100 kW. 12.15–22.15:

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3980	75.38	7115	42.16	9540	31.45	11890	25.23
6080	49.34	7160	41.90	11740	25.55	11960	25.08
6140	48.86	7250	41.38	11830	25.36	15155	19.80
6185	48.50	7295	41.12	11840	25.34	15270	19.65

DAILY PROGRAMMES: See U.S.A.

ANNOUNCEMENT: "This is the American Relay Station in Europe broadcasting the Voice of America programs".

VERIFICATION by QSL-card. No return postage.

RADIO FREE EUROPE (Private, non-comm.) by American contribution.

ADDRESSES: Radio Free Europe, a Division of the Free Europe Committee, Inc., 110 West 57th Street, New York 19, N.Y., USA. European address: Englischer Garten 1, Munich, Germany. Cable: RADEUROPA.

LEADING PERSONALITIES: President, Free Europe Committee (New York): W. H. Shepardson. Director, Radio Free Europe: R. E. Lang. Deputy Director: W. J. C. Egan. Technical Director: C. M. Harris. European Director: R. J. Condon. Deputy European Director: A. A. Michie.

STATIONS:
Medium Wave: Holzkirchen, Germany 719 kc/s 417.2 m 135 kW
Cham, Germany 854 – 351.0 – 50 –
Short Wave: Eight s.w. transmitters in Biblis, Germany (with output powers of 10, 20, 50 kW) and thirteen s.w. transmitters in Portugal (with outputs of 50 and 100 kW).

Frequencies (currently used in Germany and/or Portugal):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3960	75.75	7165	41.87	9715	30.88	11915	25.17
5960	50.37	7175	41.80	9717.5	30.87	11940	25.13
5970	50.25	7180	41.78	9725	30.85	15115	19.85
5985	50.12	7192	41.72	9750	30.77	15145	19.81
6015	49.88	7235	41.47	11725	25.59	15170	19.78
6020	49.83	7285	41.18	11735	25.56	15185	19.76
6095	49.22	7295	41.12	11745	25.54	15195	19.74
6105	49.14	7300	41.10	11755	25.52	15215	19.71
6130	48.94	9505	31.56	11760	25.51	15265	19.66
6150	48.78	9595	31.27	11815	25.39	15355	19.53
7105	42.22	9607	31.23	11830	25.36	15365	19.53
7140	42.02	9655	31.07	11855	25.31	15420	19.45
7145	41.99	9695	30.95	11885	25.24	17895	16.76
7155	41.93	9712	30.89	11895	25.22		

DAILY PROGRAMMES directed to Czechoslovakia Poland, Hungary, Rumania and Bulgaria:

Czech/Slovak Service: 03.58(Sun. 05.58)–23.00, 23.25–23.45 on 417, 351 m and 75, 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.

Hungarian Service: 03.56(Sun. 05.57)–23.00, 23.45–00.15 in 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.

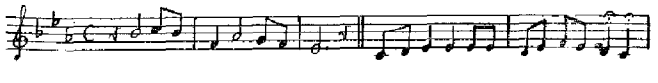
Polish Service: 03.55–08.25, 09.53–14.20, 14.53–23.25 in 49, 41, 31, 25 and 19 m.b. – N. every hour on the hour.

Rumanian Service: 17.45–18.25, 19.15–19.55, 20.45–21.26 in 49, 41 and 31 m.b.

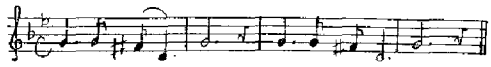
Bulgarian Service: 16.55–17.45, 18.25–19.15, 19.55–20.45 in 49, 41 and 31 m.b.

ANNOUNCEMENTS: Czechoslovak: Sign on: "Vola hlas Svobodneho Ceskoslovenska rozhlasova stanice Svobodna Evropa". – Sign off: "Rozhlasova stanice Svobodna Evropa konci nyni své kazdodenni vysilani...At zije svobodné Ceskoslovensko!". – English: "This is the Voice of Free Czechoslovakia-Radio Free Europe". – "Radio Free Europe just finished its daily broadcast... Long live Free Czechoslovakia". – Hungarian: Sign on and Sign off: "Itt a Szabad Europa Rádioja, a Szabad Magyarország Hangja". – English: "This is Radio Free Europe, the Voice of Free Hungary". – Polish: Sign on and Sign off: "Mowi Radio Wolna Europa-Glos Wolnej Polski!" – English: "This is Radio Free Europe, the Voice of Free Poland".

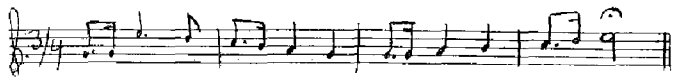
INTERVAL-SIGNALS: Czech: Czech and Slovak National Anthem (Celesta):



Hungarian: Old Hungarian folksong: "When the Cock Crows" (Taragota):



Polish: Polish patriotic song: "The day will come" (Brass instruments):



VERIFICATION by QSL-card or letter from either Munich or New York. Return postage unnecessary.

BRITISH FORCES NETWORK (Military).

ADDRESS: B.F.N., Cologne, BAOR 19.

LEADING PERSONALITIES: Station Dir.: D. G. Scuse. Dir. Tec.: A. L. Langford.

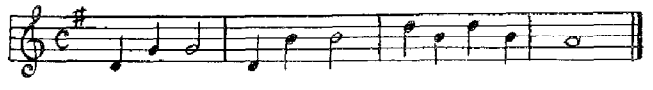
STATIONS:	kc/s	m	kW		kc/s	m	kW
Hamburg	1214	246	20	Bonn	1367	219.4	1
Hannover	1214	–	20	FM:			
Langenberg	1214	–	20	Drachenberg	99.3	mg/s	10
Herford	1214	–	10	Berlin	87.6	–	10
Berlin	1214	–	10	Herford	96.6	–	1

As BFN shares its frequencies (1214 kc/s) with the BBC Light Programme, BFN must take the Light Programme from one hour before sunset throughout the year in order to avoid mutual interference.

DAILY PROGRAMMES on all frequencies in English: D. 05.30 (Sun. 06.30)–22.20(Sat. 24.00), (Sun. 23.00).
N.: 07.00, 08.00, 12.00, 18.00, 21.00. – Request Progr.: D. 05.30–06.45. For You At Home: D. 08.10–09.00. – Religious: D. 06.55–07.00. – Weather Forecasts: D. 06.58, 11.58. – Time-Sig.: Greenwich Time Signal: D. 07.00, 12.00, 18.00, 21.00 and Big Ben 08.00. – Time checks and identification at programme junctions.

ANNOUNCEMENT: "This is the British Forces Network in Germany".

INTERVAL-SIGNAL: British Army Bugle Call "Fall-in" played on Celeste.



FUTURE PLANS: We are shortly converting the Network to transmissions in the very high frequency band using frequency modulation.

GERMAN DEMOCRATICE REPUBLIC

STAATLICHES RUNDFUNKKOMITEE (Govt.)

ADDRESS: Staatliches Rundfunkkomitee, Berlin-Oberschöneweide, Nalepastrasse 18–50. Cable: Funkkomitee, Berlin.

LEADING PERSONALITIES: Stellv. Vorsitzender: Kurt Heiss. Wolfgang Kleinert. Dir. Tech.: Gerhard Probst.

HOME SERVICE in German:

STATIONS:
Deutschlandsender: 185 kc/s 1621.6 m – 782 kc/s 383.6 m – 6115 kc/s 49.06 m.

Berlin 1' Pr.	kc/s	m	Berlin 2' Pr.	kc/s	m
Burg	575	521.7	Potsdam	557	538.6
Hildburghausen	688	436.0	Berlin	611	491.0
Berlin	881	340.5	Schwerin	728	412.1
Reichenbach	912	328.9	Erfurt	858	349.6
Leipzig	962	311.8	Dresden	1043	287.6
Plauen	1079	278.1	Halle	1196	250.8
Berlin	7150	41.96	Leipzig	9730	30.83

FM:		FM:	
Leipzig	88.0 mc/s	Berlin	92.5 mc/s
Schwerin	89.2 –	Brocken	94.6 –
Dresden	89.8 –	Rheinsberg	95.2 –
Inselberg	94.0 –		

DEUTSCHLANDSENDER:
On 185 kc/s: W.: 03.00–09.10, 11.00–24.00(Sat. 02.00). Sun. 03.00–24.00.
On 782, 6115 kc/s: W.: 03.00–07.10, 09.00–24.00. Sun. 03.00–24.00.
On 728 kc/s (Schwerin): D. 00.00–02.55 (Night Pr.).
N. and Weatherrep.: D.: 03.00, 04.00, 04.30, 05.00, 05.30(W.), 06.00, 07.00, 09.00, 12.00, 14.00(W.), 17.00, 19.00, 21.00, 23.00, 01.00. –

Program Preview: 17.55. – **Night-Concert:** D. 01.30(Sun. 01.05)–02.55. **"Bericht fur die Kusten- und Ostseefischerei":** D. 02.55–03.00.

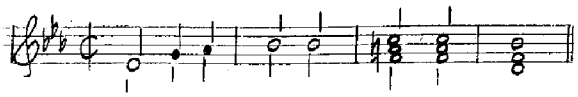
BERLIN 1' PROGRAMME: W.: 03.30–07.10, 09.00 24.00(Sat. 00.57). Sun. 03.30–24.00.

Progr. in Sorbisch: 11.45–12.30 on 912 kc/s. – **N. and Weatherrep.:** D.: 03.30(W.), 04.00, 04.30(W.), 05.00, 06.00, 07.00(W.), 07.30(Sun.), 09.00(W.), 09.30(Sun.), 11.00(W.), 12.00(W.), 12.30(Sun.), 15.30, 18.30, 20.30, 23.00. – **Night-Concert:** D. 23.05–24.00(Sat. 01.00). – **Zeitgeschehen im Funk:** W. 16.30. – **Program Preview:** W. 18.08.

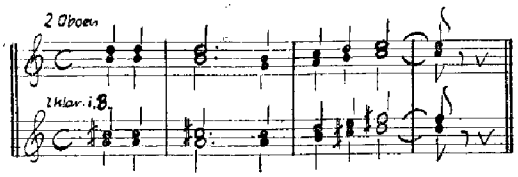
BERLIN 2' PROGRAMME: W.: 03.30–08.50, 10.40–24.00(Sat. 02.00). Sun. 03.30–24.00. – **N.:** W.: 03.30, 04.00, 04.30, 05.00, 06.00. 07.00, 11.00, 12.00, 15.45, 16.45, 18.45, 20.45, 23.00, 24.00 (Sat.). Sun.: 04.00, 05.00, 06.00, 08.45, 12.45, 18.45, 20.45, 23.00. – **Progr. Preview:** W. 08.47. Sun. 07.30.

ANNOUNCEMENT: "Hier ist Berlin I" or "Hier ist der Deutschlandsender" or " Hier ist Berlin II".

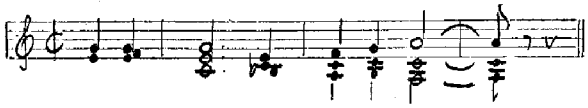
INTERVAL-SIGNAL: Deutschlandsender: Instruments: 3 trumpets Melody: "Wach auf, wach auf, du Deutsches Land" von Johan Walter.



Berlin I: Instruments: 2 oboes and 2 clarinets. Melody: "Wann wir schreiten Seit an Seit" von Michael Engbert (Mit uns zieht die neue Zeit).



Berlin II: Instrument: Trautonium. Melody: "Wann wir schreiten Seit an Seit".



VERIFICATION by letter. Reports wanted.

GIBRALTAR

No regular broadcasting organization. Broadcasts arranged by Government on special occasions. A wired Broadcasting Service operates. L500 kc/s 200 m 0.15 kW. Frequency allocation: 1484 kc/s.

GREAT BRITAIN

THE BRITISH BROADCASTING CORPORATION

Weekly Publications: "Radio Times", "The Listener", "London Calling", "Ici Londres", "Hier spricht London", „London calling Europe".

ADDRESS: The British Broadcasting Corporation, Broadcasting House, Portland Place, London W 1.

LEADING PERSONALITIES: Chairman: The Rt. Hon. Sir Alexander Cadogan, O. M., G.C.M.G., K.C.B. Vice-Chairman: Sir Philip Morris, C.B.E. Director General: Sir Ian Jacob, K.B.E., C.B. Director Administration: Air Chief Marshal Sir Norman Bottomley, K.C.B., C.I.E., D.S.O., A.F.C. Director of Television Broadcasting: Sir G. R. Barnes. Director of External Broadcasting: J. B. Clark, C.B.E. Director of the Spoken Word: H. J. G. Grisewood. Director of Technical Services: H. Bishop, C.B.E. Director of Home Sound Broadcasting: R. E. L. Wellington, C.B.E. Controller Light Programme: K. Adam. Controller Third Programme: C. J. Morris. Controller Home Service: A. Stewart, C.B.E. Controller of Television Programmes: C. McGivern. Controller Entertainment (Sound): M. F. C. Standing. Controller Music: R. J. F. Howgill, C.B.E. Editor, News: T. R. P. Hole. Controller Talks: Miss M. Somerville, O.B.E. Chief Engineer: R.T.B. Wynn, C.B.E. Controller Finance: T. Lochhead, C.B.E. Controller, Staff Administration: J. H. Arkell.

HOME SERVICES: W.: 06.30–23.03, Sun.: 07.55–23.03.

		kc/s	m	kW
Cromer	Northern	692	434	2
Moorside Edge	–	692	434	150
Whitehaven	–	692	434	2
Barrow	Northern	1484	202	2
Westerglen	Scottish	809	371	100
Burghead	–	–	–	100
Redmoss	–	–	–	5
Dumfries	–	–	–	2
Washford	Welsh	881	341	100
Penmon	–	–	–	8
Towyn	–	–	–	5
Wrexham	–	–	–	0.25
Brookmans Park	London	908	330	140
Ramsgate	–	1484	202	2
Start Point	West	1052	285	120
Fremington	–	–	–	2
Clevedon	–	1457	206	20
Bartley	–	–	–	10
Brighton	–	–	–	2
Folkestone	–	–	–	1
Bexhill	–	–	–	2
Redruth	–	1457	206	2
Droitwich	Midland	1088	276	150
Norwich	–	–	–	7.5
Lisnagarvey	N. Ireland	1151	261	100
Londonderry	–	–	–	0.25
Stagshaw	–	–	–	100
Scarborough	–	–	–	2

News: D.: 07.00(W.), 08.00, 13.00, 18.00, 21.00, 23.00.
Greenwich Time-Signals: 07.00(W.), 08.00, 11.00(W.), 13.00, 18.00, 23.00.

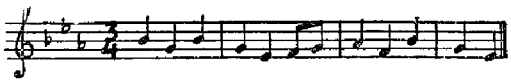
Interval-Signal: Bow Bells.

LIGHT PROGRAMME: W. 09.00–24.00.

	kc/s	m	kW		kc/s	m	kW
Droitwich	200	1500	400	Moorside Edge	1214	247	58
Brookmans Park	1214	247	60	Plymouth	–	–	0.3
Burghead	–	–	20	Redmoss	–	–	2
Lisnagarvey	–	–	10	Redruth	–	–	2
Londonderry	–	–	0.25	Newcastle	–	–	2
				Westerglen	–	–	50

News: D.: 09.00, 19.00, 22.00, 23.56. **Greenwich Time-Signals:** W.: 10.00, 11.00 (Sat. only), 14.00 (not Sat.), 15.00 (irr.), 19.00, 22.00. Sun.: 09.00, 19.00, 22.00.

Interval-Signal: 1) Oranges and Lemons.



There are four versions, one played on the novachord and three played on the novachord celeste; the last three differ in that they are of varying duration.
2) Harp arpeggio – a choise of six harp interludes.

THIRD PROGRAMME: D. 18.00–24.00.

	kc/s	m	kW		kc/s	m	kW
Daventry	647	464	150	Dundee	1546	194	0.25/2
Edinburgh	–	–	2	Exeter	–	–	0.25/2
Glasgow	–	–	2	Fareham	–	–	0.25/2
Newcastle	–	–	2	Leeds	–	–	0.25/2
Redmoss	–	–	2	Liverpool	–	–	0.25/2
Belfast	1546	194	0.25/2	Preston	–	–	0.25/2
Bourne-mouth	–	–	0.25/2	Plymouth	–	–	0.25/2
Brighton	–	–	0.25/2	Redruth	–	–	0.25/2
				Sheffield	–	–	0.25/2
				Stockton	–	–	0.25/2

FM: D. except Fri. Exp.
Wrotham 91.4 mc/s 25 kW – Wrotham 93.8 mc/s 18 kW

Advertisement

GIBRALTAR

"RADIO-AFRICA-GIBRALTAR" (Commercial)

ADDRESS: 9, rue de Russie, Tanger. – **Cable:** Rafrica Tanger.

LEADING PERSONALITIES: Dep. Adm.: J. D. de Bournet. Programmes: A. Domper. Chief Eng.: B. Settinger. Listeners Service: Mrs. Ramis.

SERVICE: Daily 16.00–16.45 in English and Spanish: 683 kc/s 439.2 m 1.25 kW.

ANNOUNCEMENTS: English: "This is radio-Africa-Gibraltar". – **Spanish:** "Aqui Radio-Africa-Gibraltar".

INTERVAL-SIGNAL: Ship Sirene.

VERIFICATION by QSL-card.

F.M. Future Plans:
Nine F.M. Stations are to be built in the first stage of the V.H.F. F.M. Sound Broadcasting scheme, seven in England, one in Scotland and one in Northern Ireland. At each station six transmitters will be installed, two in parallel for each of the three programmes (Home Service, Light Programme and Third Programme) to be radiated. The first to be brought into service will be at Wrotham, Kent, where two experimental transmitters have been in use since 1950. The other eight stations are to be completed by the end of 1956. Pontop Pike and Divis will be the second and third to go into operation. Details of frequencies to be used are not yet known, but the powers of the projected transmitters will be as follows:
Wrotham (Kent) (120 kW E.R.P.) – Pontop Pike (Newcastle) (60 kW E.R.P.) – Divis (Belfast, N.Ireland) (60 kW E.R.P.) – South Devon (60 kW E.R.P.) – Meldrum (Aberdeenshire, Scotland) (60 kW E.R.P.) – Holme Moss (Manchester) (120 kW E.R.P.) – Sutton Coldfield (Birmingham) (120 kW E.R.P.) – Norwich (Norfolk) (120 kW E.R.P.) – West Wales (60 kW E.R.P.)

FOREIGN SERVICE

Call	kc/s	m	Call	kc/s	m	Call	kc/s	m
GRC	3975	75.47	GSC	9580	31.32	GRF	12095	24.80
GRB	6010	49.92	GRY	9605	31.25	GWC	15070	19.91
GWS	6035	49.71	GWO	9620	31.17	GWG	15110	19.85
GSY	6040	49.67	GVZ	9640	31.12	GSF	15140	19.82
GSA	6050	49.59	GWP	9665	31.06	GSO	15180	19.76
GSX	6060	49.50	GWT	9670	31.01	GWU	15210	19.72
GRR	6070	49.42	GRX	9690	30.96	GWD	15230	19.70
GWM	6090	49.26	GWY	9705	30.93	GSI	15260	19.66
GSL	6110	49.10	GWF	9730	30.82	GWR	15300	19.61
GWA	6125	48.98	MCR	9760	30.74	GSP	15310	19.60
GRW	6150	48.78	MCN	9770	30.71	GWE	15435	19.44
GWK	6165	48.66	GRH	9825	30.53	GRD	15447.5	19.42
GSZ	6170	48.62	GRU	9915	30.26	GVP	17700	16.95
GRO	6180	48.54	GRG	11680	25.68	GRA	17715	16.93
GRN	6195	48.43	GVW	11700	25.64	GVQ	17730	16.92
MCS	7110	42.19	GVV	11730	25.58	GRQ	17740	16.91
GRM	7120	42.13	GSD	11750	25.53	GSG	17790	16.86
GRS	7135	42.05	GVU	11770	25.49	GSV	17810	16.84
GRT	7150	41.96	GWV	11790	25.45	GRP	17870	16.79
GRK	7185	41.75	GWH	11800	25.42	GVO	17890	16.77
GWZ	7200	41.67	GSN	11820	25.38	GSH	21470	13.97
GWL	7210	41.61	GWQ	11840	25.34	GSJ	21530	13.93
GSW	7230	41.49	GSE	11860	25.30	GST	21550	13.92
GWI	7250	41.38	GRE	11880	25.25	GVT	21630	13.87
GSU	7260	41.32	GWW	11890	25.23	GRZ	21640	13.86
GWN	7280	41.21	MCO	11910	25.19	GVR	21675	13.84
GRJ	7320	40.98	GVX	11930	25.15	GVS	21710	13.82
GRI	9410	31.88	MCQ	11945	25.12	GSR	25720	11.66
GSB	9510	31.55	GVY	11955	25.09	GSQ	25750	11.65
GWJ	9525	31.50	MCT	11960	25.08	GSS	25840	11.61
GWB	9550	31.41	GRV	12040	24.92	GSK	26080	11.50
GWX	9570	31.35						

EUROPEAN SERVICES:
Abbreviations: E.b.R. = English by Radio; Rel. = Religious. A.C.E. = America Calling Europe.

STATIONS: (Medium Waves):

647 kc/s	464 m	1025 kc/s	293 m
1295 –	232 –	1340 –	224 –

The two columns below show the wavebands, which the BBC expects to use during the months from April to September and October to March. There will, however, be changes of both wavelengths and wavebands – sometimes of short notice – and listeners are advised to listen to announcements which will cover all such changes. Wavelength information can also be obtained from the progr. journals.

		Oct.-March m. b.	Apr.-Sept. m. b.
Albanian			
16.30–16.45	N.	293, 31, 41*	293, 25, 31*
20.00–20.15	N.	31, 41, 49, 75*	31, 41*
Austrian			
15.45–16.00	Progr.	31, 41	25, 31
17.15–17.30	Progr.	31, 41, 49	25, 31, 41
Bulgarian			
04.30–04.45	N.	224, 293, 464, 31, 41, 49, 75*	293, 25, 31, 41, 49*
06.00–06.15	E.b.R. (Mo. & Wed.)	293, 31, 41, 49, 75	293, 25, 31, 41
11.00–11.15		16, 19, 25, 31*	16, 19, 25, 31*
15.15–15.45		16, 19, 25, 31, 41*	16, 19, 25, 31*
16.15–16.30		293, 19, 25, 31, 41	16, 19, 25, 31, 41
20.30–21.00	N.	293, 31, 41, 49, 75*	293, 19, 25, 31, 41, 49*
Czech			
05.15–05.30	N.	224, 232, 293, 464, 1500, 31, 41, 49, 75*	232, 293, 1500, 19, 25, 31, 41, 49, 75*
06.00–06.15	E. b. R. (Tues. & Thurs.)	293, 31, 41, 49, 75	293, 25, 31, 41
11.45–12.00	N.	16, 19, 25, 31, 41*	19, 25, 31*
17.45–18.15	N. & Progr.	293, 31, 41, 49, 75*	293, 19, 25, 31, 41*
20.15–20.30		41, 49, 75*	31, 41, 49*
22.00–22.30	C.B.C.Relay	232, 49, 75	232, 49
Slovak			
13.45–14.00		19, 25, 31, 41	19, 25, 31
Danish		**Oct.-March m. b.**	**Apr.-Sept. m. b.**
17.00–17.30	N. & Progr.	232, 41, 49, 75	232, 31, 41
Dutch			
07.00–07.15	E.b.R. (Sun. & Mo.)	464, 49, 75	464, 49
16.00–16.15	E.b.R. (Sat. & Sun.)	224, 41, 49	224, 41
21.00–21.30	N. & Progr.	224	224, 75
English			
05.00–05.15	E. b. R.	31, 41, 49, 75	25, 31, 41, 49
06.00–06.30	N. & Progr.	464, 25, 31, 41, 49, 75	464, 25, 31, 41, 49
06.45–07.00	E. b. R.	464, 41, 49, 75	464, 31, 41, 49
07.00–07.30	N.	232, 31, 41, 49, 75, 87.6 mc/s for Greater Berlin	232, 25, 31, 41, 49 87.6 mc/s for Greater Berlin
09.45–10.30	ø) Religious Service (Sun. only)	25, 31, 41	25, 31, 41
10.15–10.30	ø) Religious Service (W)	25, 31, 41	25, 31, 41
11.30–11.45	E. b. R.	19, 25, 31, 41	19, 25, 31
12.15–12.30	E. b. R.	25, 31, 41	19, 25, 31, 41
12.30–12.45	N. (Dictat.)	25, 31, 41	19, 25, 31, 41
12.45–13.00	N.	25, 31, 41	19, 25, 31, 41
16.15–16.45	A.C.E.	224, 464, 31, 41, 49	224, 464, 25, 31, 41
16.30–16.45	E. b. R.	232, 31, 41, 49	232, 25, 31, 41
16.45–17.00	Dictation Speed N. (Mo., Thurs., Sat.)	232, 41, 49	232, 25, 31, 41
17.15–17.30	E. b. R.	224, 41, 49	224, 31, 41, 49
17.30–17.45	E. b. R.	293, 31, 41, 49	293, 19, 25, 31
17.30–18.15	N. & Progr.	224, 41, 49	224, 31, 41, 49
18.15–18.30	Press Review	224, 232, 293, 31, 41, 49, 75, 87.6 mc/s for Greater Berlin	224, 232, 293, 25, 31, 41, 49, 87.6 mc/s for Greater Berlin
18.30–19.00	N., Progr.	49, 75 87.6 mc/s for Greater Berlin	31, 41, 49 87.6 mc/s for Greater Berlin
19.30–20.00		31, 41, 49,	31, 41
21.30–21.45	E. b. R.	232, 49 87.6 mc/s for Greater Berlin	232, 49 87.6 mc/s for Greater Berlin
21.45–22.00	N.	232, 49, 75 87.6 mc/s for Greater Berlin	232, 224, 41, 49, 75 87.6 mc/s for Greater Berlin
Finnish			
10.00–10.30	(Sun. only)	25, 31	25, 31
14.45–15.00	N.	25, 31, 41, 49*	19, 25, 31*
16.00–16.30	N., Progr.	31, 41, 49	19, 25, 31
19.00–19.15	N.	41, 49	25, 31, 41
French			
06.30–06.45	N.	464, 41, 49, 75	464, 31, 41, 49
11.30–11.45	N.	464, 25, 31, 41	464, 25, 31, 41
18.30–20.00	N., Press Review & Progr.	224, 41, 49, 75	224, 31, 41, 49
20.00–21.00	N., Progr. & E. b. R.	224, 41, 49	224, 31, 41, 75
German			
04.40–05.15	E. Zone Progr.	1500, 232, 49 87.6 mc/s for Greater Berlin	1500, 232, 41, 49, 75, 87.6 mc/s for Greater Berlin
06.00–07.00	N., E. Zone Progr. repeat E. b. R.	1500, 232, 49 87.6 mc/s for Greater Berlin	232, 25, 31, 41, 49 87.6 mc/s for Greater Berlin
15.45–16.00	ReligiousSce. (Sun. only)	232, 31, 41, 49 87.6 mc/s for Greater Berlin	232, 25, 31, 41 87.6 mc/s for Greater Berlin
16.00–16.15	N., Press Review	232, 31, 41, 49 87.6 mc/s for Greater Berlin	232, 31, 41, 49 87.6 mc/s for Greater Berlin
18.00–18.15	"Hier Spricht Kanada" (Sat., Sun. only)	232, 41, 49 87.6 mc/s for Greater Berlin	232, 31, 41 87.6 mc/s for Greater Berlin

Great Britain

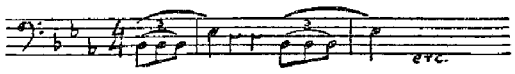
19.00–21.00	N., Press Review, Progr.	232, 49, 75 87.6 mc/s for Greater Berlin	232, 41, 49 87.6 mc/s for Greater Berlin
21.00–21.30	N., »Lernt English«	232, 49 87.6 mc/s for Greater Berlin	232, 49, 75 87.6 mc/s for Greater Berlin
23.00–23.15	N.	232, 49, 75 87.6 mc/s for Greater Berlin	232, 49, 75 87.6 mc/s for Greater Berlin
Greek			
05.00–05.15		293, 41, 49, 75	293, 25, 31, 41
12.15–12.30		19, 25	19, 25
18.30–19.00		31, 41, 49	19, 25, 31
Hungarian			
04.45–05.00		464, 293, 31, 41, 49 75*	293, 25, 31, 41, 49*
05.45–06.00	N.	1500, 293, 232, 31, 41, 49, 75*	1500, 293, 232, 19, 25, 31, 41, 49*
12.00–12.15	N.	16, 19, 25, 31*	19, 25, 31*
13.00–13.15	N.	16, 19, 25, 31*	19, 25, 31*
16.45–17.15		293, 25, 31, 41, 49*	293, 19, 25, 31, 41*
19.30–19.45		293, 41, 49*	293, 19, 25, 31, 41*
Italian			
06.30–06.45		293, 41, 49, 75	293, 25, 31, 41
06.45–07.00	E. b. R. (Mo., Thurs.)	293, 41, 49, 75	293, 25, 31, 41
12.30–12.45	N.	19, 25	19, 25, 31
12.45–13.00	E. b. R. (Tues., Fri).	19, 25	19, 25, 31
18.30–19.00	Progr.	293, 31, 41, 49, 75	293, 25, 31, 41
21.00–21.45	N., Progr.	293, 41, 49, 75	293, 31, 41, 49
		Oct.–March	**April–Sept.**
Norwegian		m. b.	m. b.
16.45–17.00	E. b. R. (Sun., Tues., Wed., Fri.)	232, 41, 49	232, 25, 31, 41
17.30–18.00	N., Progr.	232, 41, 49, 75	232, 25, 31, 41, 49
Polish			
05.30–05.45	N.	224, 232, 293, 464, 31, 41, 49, 75*	232, 293, 1500, 19, 25, 31, 41, 49, 75*
07.30–07.45	N.	232, 31, 41, 49*	19, 25, 31*
14.00–14.15	N.	19, 25, 31*	16, 19, 25, 31*
16.15–16.45	A. C. E.	31, 41, 49	25, 31, 41
17.15–17.45	N., Progr.	41, 49, 75	19, 25, 31, 41
21.00–21.15	N.	41, 49, 75*	19, 25, 31, 41*
22.00–22.30	N., Progr.	224, 232 (not Sat.), 41, 49, 75*	224, 232 (not Sat.) 25, 31, 41, 49, 75*
Portuguese			
19.30–20.00		41, 49	25, 31, 41
Rumanian			
04.15–04.30		224, 232, 293, 31, 41, 49, 75*	293, 25, 31, 41, 49, 75*
10.45–11.00		16, 19, 25, 31*	16, 19, 25, 31*
15.00–15.15		16, 19, 25, 31, 41*	16, 19, 25, 31*
16.00–16.15	N., Progr.	293, 19, 25, 31, 41*	293, 16, 25, 31, 41*
19.00–19.30		293, 31, 41, 49, 75*	293, 19, 25, 31, 41,
21.45–22.00	N.	293, 49, 75*	293, 19,19, 25, 31* 49*
Russian			
00.15–00.30	N., Progr.	224, 232, 464, 1500, 31, 41, 49, 75*	224, 232, 464, 1500, 31, 41, 49, 75*
03.15–03.45	N., Progr.	224, 464, 1500, 25, 31, 41, 59, 75*	224, 232, 464, 19, 25, 31, 41, 49*
14.15–14.45	N., Progr.	16, 19, 25, 31, 41, 49*	16, 19, 25, 31*
21.15–21.45	N., Progr.	31, 41, 49, 75*	19, 25, 31, 41*
23.15–23.30	N., Progr.	224, 232, 464, 1500, 31, 41, 49, 75*	224, 232, 464, 1500, 31, 41, 49, 75*
Spanish			
13.15–13.30	N.	19, 25, 31	19, 25, 31
13.30–13.45	E. b. R. (Mo., Tues., Thurs., Fri.)	19, 25, 31	19, 25, 31
20.00–20.45	N., Progr.	41, 49	25, 31, 41
21.30–22.00	N., Progr.	224	224
Swedish			
18.30–19.00	N., Progr.	232, 41, 49	232, 31, 41, 49
Turkish			
05.00–05.15	N.	31, 41, 49	25, 31
16.30–16.45	N., Progr.	25, 31, 41	16, 19, 25, 31
19.00–19.30		31, 41	19, 25, 31
Yugoslav			
13.15–13.45	Slovene (Sun. only)	19, 25	19, 25
15.45–16.00	N. (Sun. only)	31, 41	19, 25
16.15–16.30	E.C.R. (Mo., Wed.)	31 41	19, 25, 31
17.15–17.30	N.	293, 31, 41, 49	293, 19, 25, 31
18.15–18.30	Slovene	31, 41	25, 31, 41
19.45–20.30	N., Progr.	293, 41, 49	293, 25, 31, 41
22.00–22.15	N., Progr.	293, 41, 49, 75	293, 31, 41, 49

* And additional short-waves – ø) Summer Times are 08.30–09.15 and 09.15–09.30 respectively.

TIME-SIGNALS at the hour are radiated on one or other of the European Programmes on the long, medium or short waves normally scheduled at: 05.00, 06.00, 07.00, 11.00, 12.00, 13.00, 14.00, 15.00. 16.00, 17.00, 19.00, 20.00, 21.00, 22.00, 23.00.

ANNOUNCEMENTS: "This is London calling in the European Service of the B.B.C.". In French: "Ici Londres". In German: "Hier ist England". In Dutch: "Hier is London". In Italian: "La Voce di Londra".

INTERVAL-SIGNAL for European Service: Morse Signal "V" (V for Victory) played on Timpani (i.e.....–).



GENERAL OVERSEAS SERVICE:

The General Overseas Service, which operates 21 hours a day 04.30–08.00, 09.30–03.00 and can be heard at suitable listening times all over the world, is addressed to English-speaking listeners, wherever they may be. **All programmes are in English.** The times at which the General Overseas Service is available in various parts of the world and the appropriate wavebands are: (all times are subject to alterations):

	Oct.–March	**April–Sept.**
Australia	m. b.	m. b.
06.00–08.00	41, 31, 25	41, 31, 25
09.30–11.15	25, 19, 16	31, 25, 19
20.00–22.15	41, 31, 25	25, 31, 41
N. Zealand		
06.00–08.00	41, 31, 25	41, 31, 25
09.30–11.15	31, 25, 19	31, 25, 19
20.00–22.15	41, 31, 25	41, 31, 25
Japan, N. China, NW Pacific		
09.30–14.15	41, 31, 25, 19	31, 25, 19
S.E.Asia, India, Pakistan, Ceylon:		
02.00–02.15	41, 31	41, 31
09.30–15.15	25, 19, 16, 13	25, 19, 16
15.15–18.15	41, 31, 25, 19, 16	31, 25, 19, 16
E.Africa, Egypt, Sudan, Israel, Jordan, Turkey, Lebanon:		
04.30–06.15	49, 31, 25, 41	49, 31, 25, 19
10.30–16.15	19, 16, 13	19, 16, 13
16.15–21.00	41, 31, 25, 19	31, 25, 19, 16, 13
Iraq, Persia:		
04.30–06.15	41, 31, 25	25
14.15–20.15	41, 31, 19, 25	31, 19, 25
Malta, Greece, Italy, C.Mediterranean:		
04.30–07.30	49, 31, 41, 25	49, 31, 25, 41
10.45–18.15	31, 25, 19, 16	25, 19, 16
18.15–21.00	49, 41, 31	41, 31, 25, 19
C. and S. Africa:		
04.30–08.00	41, 31, 25, 19, 16	31, 25, 19, 16
10.30–18.15	25, 19, 15, 13	25, 19, 16, 13
18.15–21.00	41, 31, 25	31, 25, 19, 41
21.00–22.45	41, 31, 25	41, 31, 25
N. Africa:		
04.30–07.30	49, 41, 31	41, 31, 25
16.00–21.00	49, 41, 31, 25, 19	31, 25, 19
21.00–22.45	49, 41	41, 31
W. Africa:		
04.30–08.00	41, 31, 25, 19, 16	41, 31, 25, 19, 16
09.30–18.15	25, 19, 16, 13	19, 16, 13
18.15–20.15	31, 25, 19	25, 19
21.00–22.45	41, 31, 25	41, 31, 25, 19
Gibraltar, N.Mediterranean:		
04.30–07.30	49, 41, 31	41, 25, 31
10.30–18.30	31, 25, 19	19, 25
18.30–22.45	49, 41, 31, 25	41, 31, 25
Canada, U.S.A., Mexico:		
22.15–03.00	49, 31	49, 31, 25
04.30–06.15	49	49, 31

W. Indies, C. America, S. America (N. of Amazon):

20.00–23.15	49, 31, 25	31, 25, 19
23.45–03.00	49, 31	49, 31, 25

S. America:

20.00–23.15	49, 31, 25, 19	31, 25, 19
23.15–03.00	49, 31	49, 31, 25

N.: 02.00, 04.30, 04.55, 06.00, 07.00, 11.00, 13.00, 16.00 (Sun.–Fri.), 17.00 (Sat.), 18.00, 20.00, 23.00.

Home News from Britain: 07.10, 13.10, 18.10, 23.10. – **Radio Newsreel:** 00.15, 06.15, 14.00, 17.15. – **From the Editorials:** 02.10, 04.45, 09.30. – **Greenwich Time-Signals:** 00.00, 02.00, 05.00, 06.00, 07.00, 08.00, 09.00, 11.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00 (Mo.–Fri.), 18.00, 20.00, 21.00, 23.00. **Big Ben:** 14.00.

ANNOUNCEMENTS: "This is the General Overseas Service of the B.B.C....".

INTERVAL-SIGNAL: Bow Bells.

SPECIAL SERVICES:

PACIFIC SERVICE:	Oct.–March m. b.	April–Sept. m. b.
(Australia, N. Zealand)		
08.00–08.45	41, 31, 25	
06.00–07.00		41, 31, 25
Special Programmes in English		
FAR EASTERN SERVICE:		
China and Japan		
09.00–09.30	25, 19	25
(relayed by BFEBS)	(19, 16)	(19, 16)
11.00–11.30	31, 25	25, 19
(relayed by BFEBS)	(25)	(25)
12.00–12.45	31, 25	25
(relayed by BFEBS)	(31, 25, 19)	(31, 25, 19)
	Oct.–March	April–Sept.
South East Asia	m. b.	m. b.
09.00–09.30	19, 16, 13	19, 16
(relayed by BFEBS)	(49, 31, 19, 16)	(41, 31, 19, 16)
10.30–13.45	19, 16	19, 16
(relayed by BFEBS)	(41, 31, 25, 19)	(41, 31, 25, 19)
14.15–14.30	19, 16	19, 16
(relayed by BFEBS)	(19)	(19)

09.00 News from Home (Mo.–Fri. only). 09.15–09.30 English, 10.30–11.00 Indonesian, 11.00–11.30 Japanese, 11.30–11.45 Vietnamese, 11.45–12.00 French, 12.00–12.30 Kuoyo, 12.30–12.45 Cantonese, 12.45–13.00 Malay, 13.00–13.15 English, 13.15–13.45 Thai, 14.15–14.30 Burmese.

BRITISH FAR EASTERN BROADCASTING SERVICE (Government)

ADDRESS: Thomson Road Studios. P.O. Box 434, Singapore, Malaya. Cable: Febrocast.

LEADING PERSONALITY: Head of Service: C. P. Albany.

STATIONS: Singapore.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6110	49.10	7120	42.13	7260	41.32	9690	30.96
11820	25.38	11955	25.09	15300	19.61	15310	19.60
15435	19.44	17755	16.90	17890	16.77	21720	13.81

Progr. A. Sce in English:	H. of tr.:	All the year round m.b.
To N. and E. China,	09.15–13.15	19, 25
Hong-Kong, Korea, Japan:	13.15–14.00	25
To S. China, Vietnam,	D. 09.15–09.30	19, 25
Laos, Cambodia:	D. 09.30–13.15	19, 25, 41
	14.00–16.35(Sun. 16.50)	
	D. 13.15–14.00	25, 41
To Indonesia:	09.15–10.30	31, 41
	11.00–11.15	
To Burma, Thailand:	13.00–13.15	25, 31, 41
	13.15–14.00	41
	13.45–16.35(Sun. 16.50)	25, 31, 41
To India, Pakistan,	13.00–13.15	19, 25
Ceylon:	14.15–16.35(Sun. 16.50)	
	13.15–14.00	19

Progr. B.	Language:	H. tr.:	all the year round m.b.
To N. and E. China,	Japanese	11.00–11.30	25
Hong-Kong, Korea, Japan	Kuoyu	12.00–12.30	19, 25, 31
	Cantonese	12.30–12.45	19, 25, 31
To S. China, Vietnam,	Vietnamese	11.30–11.45	19, 25, 31
Laos, Cambodia:	French	11.45–12.00	
	Kuoyu	12.00–12.30	
	Cantonese	12.30–12.45	
To Indonesia:	Indonesian	10.30–11.00	31, 41
To Burma, Thailand:	Burmese	14.15–14.30	25
	Thai	13.15–13.45	25, 31
To India, Pakistan,	Hindi	14.00–14.45 a)	19
Ceylon:	Tamil	14.15–14.45 b)	
	Bengali	14.15–14.45 c)	
	Urdu	14.45–15.30 d)	
	Bengali	14.45–15.15 e)	

a) exc. Thurs. & Sat. only until 14.15. b) Thurs. only. c) Sat. only. d) Wed. only 15.15–15.30. e) Wed. only.

ANNOUNCEMENT: »This is the BFEBS«.

EASTERN SERVICE:

		Oct.-March m.b.	Apr.-Sept. m.b.
1) India, Pakistan, Ceylon	14.00–15.30	16, 19, 25	19, 16
	*)13.45–14.15	16, 19	16, 19
*) Tues. and Wed. only.			
2) Arabia, Egypt, Iraq,	03.45–04.15	31, 41, 49	25, 31, 41
Jordan, Lebanon, Syria,	04.45–05.15	25, 31, 41	31, 25
Sudan	17.00–19.00	25, 31, 41	19, 25
	19.30–20.30	25, 31, 41	25, 31
2) North Africa	04.45–05.15	49	41, 49
	17.00–19.00	31, 41	31
	19.30–20.30	49, 41	31, 49, 41
3) Israel	16.30–17.00	19, 25, 31	16, 19, 25
4) Persia	10.00–10.15	16, 19, 13	16, 19, 25
	15.45–16.30	19, 25, 31	19, 25

1) **Sinhalese** (Tues.) 13.45–14.15*)
Marathi (Wed.) 13.45–14.15
Hindi 14.00–14.15*)
Hindi (exc. Thurs., Sat.) 14.15–14.45*)
Tamil (Thurs.) 14.15–14.45*)
West Bengali (Sat.) 14.15–14.45*)
Urdu (exc. Wed.) 14.45–15.15
Urdu 15.15–15.30
East Bengali (Wed.) 14.45–15.15*)

2) **Progr. in Arabic.** News 04.00, 05.00, 18.00.
3) **News in Hebrew:** 16.30.
4) **News in Persian:** 10.00, 16.15.

*) **Relayed by B.F.E.B.S., Singapore:** 13.15–14.00 "London calling Asia" in English.

	Oct.-March m.b.	Apr.-Sept. m.b.
SERVICE TO E. AFRICA		
16.45–17.00 **English** (Thurs. only)	25, 19, 31	19, 25
18.15–18.30 **English** (Sun. and Fri. only)	25, 19, 31	19, 25
SERVICE TO MAURITIUS:		
17.15–17.30 **French** and **English** (2. Mo. of the month)	25, 19	19, 25
SERVICE TO W. AFRICA:		
20.15–21.00 **English**	31, 25	25, 19
SERVICE TO CENTRAL AND SOUTH AFRICA:		
16.15–16.30 (Sun., Thurs., Fri.) **English**	16, 19	16
16.30–16.45 (Daily) **Afrikaans**		
16.45–17.00 (Thurs.) **English**		
SERVICE TO MALTA:		
17.30–17.45 (exc. Sun., Wed., Fri.) **Maltese**	25, 31	25, 19
SERVICE TO FALKLAND ISLANDS:		
16.15–16.45 (Sun. only) **English**	16	16

	Oct.–March m. b.	April–Sept. m. b.
SERVICE TO W. INDIES:		
23.15–23.45 **English**	49, 31	31, 25
NORTH AMERICAN SERVICE:		
Canada, U.S.A., Mexico		
15.00–17.15	19, 16	19, 16
18.00–20.45 (Mo. to Fri.)	31, 25, 19	25, 19
20.45–22.00	31, 25, 49	31, 25, 19
English: 15.00–17.15, 18.00–18.15, 18.25–20.45, 20.45–22.15. **French:** 18.15–18.25.		
LATIN AMERICAN SERVICE:		
Central America		
S. Caribbean Area		
S. America (N. of Amazon)		
Spanish: 01.00–02.30	49, 31	31, 25
Portuguese: 23.00–00.15	49, 31, 25	31, 25
Mexico		
Spanish: 01.00–02.30	49	49, 31
South America		
(S. of Amazon)		
Spanish: 23.00–00.30	49, 31, 25	31, 25
Portuguese: 23.00–00.15	49, 31, 25	31, 25
N. in Spanish: 23.00, 00.00, 01.00, 02.00.		
N. in Portuguese: 23.00, 00.00.		

GREECE

NATIONAL BROADCASTING INSTITUTE (Govt.)

ADDRESS: Ethnikon Idhryma Radhiophonias (NBI), 4 Righilli St., Athens. K. Cable: "Radiost Athens".

LEADING PERSONALITIES: Chairman of the Adm. Board General Apokoritis. Dir. Gen.: Serafim Kokolas. Dir. Progr.: D. Romas. Dir. Tec.: B. Aslanides. Coordination and Development: H. Humphreys.

HOME SERVICE:

In Greek unless otherwise stated. (N=National. S=Second Progr. Th=Third Progr. R=Regional, Relay. Rl=Relay only.)

Medium Wave

	kc/s	m	kw			kc/s	m	kw	
Athens I	728	412.0	150	N	Volos	1484	202.2	0.2	R
Athens II	665	451.2	15	S	Patrae	1511	198.5	0.3	R
Athens III	1484	202.2	0.1	Th	Chania	1511	198.5	0.06	R
Salonika	1043	287.6	2	R	**Short Wave**				
Comotini	1403	213.8	5	R	Chania	6678	44.92	0.15	Rl

NATIONAL PROGRAMME: W. 04.30–08.30, 09.30–14.00, 15.00–23.00. Sun. 04.30–14.00, 15.00–23.00. N.: W. 05.15–05.25, 06.50–07.00*, 11.00–11.10, 12.40–12.55*, 18.15–18.25*, 20.15–20.30, 22.00–22.10. – *) exc. Sun.

N. in English: D. 05.25–05.30. Weather Rep. and Warnings to Shipping in Greek and English: W. 08.15–08.20, 12.55–13.00. Time Sign.: Every hour on the hour. Religious Service (Orthodox): Sun. 05.30–08.15.

SECOND PROGRAMME: W. 10.30–21.30. Sun. 05.30–21.30. N.: 18.50–19.00. – Mailbag: Sun. 15.00–15.45.

THIRD PROGRAMME: 18.00–22.00, with serious music only.

SALONICA: 04.30–07.00 (Sun. 09.00), 09.30–13.00, 15.00–22.15.

COMOTINI: 15.00–21.00.

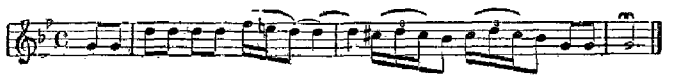
VOLOS: 05.00–06.30 (Sun. 08.00), 10.30–13.00, 17.00–22.00.

PATRAE: Sun. 06.30–08.30, D.: 10.30–12.30, 17.30–21.45.

CHANIA: Sun. 05.30–08.00. D.: 10.00–12.30, 16.00–21.00.

ANNOUNCEMENT: "Radhiophonikos Stathmos... (Athinon, Thessalonikis etc.) or "Edho... (Athinae, Thessaloniki etc.) e.g. "Radio Station of..." or "This is...". – National Programme: "Ethnikon Proghramma", Second Programme "Dhefteron Proghramma", Third Programme: "Triton Proghramma".

STATION-SIGNAL: used in all medium-wave stations of N.B.I.: "Tsopanakos imouna" (I use to be a shepherd boy), a folk song played on native flute and sheep bells.



INTERVAL-SIGNAL: "Musical box" played on vibraphon.

FUTURE PLANS: Two new Radio stations, Kerkyra 50 kW and Rhodes 5 kW, are expected to start their Regional Programmes during 1955.

FOREIGN SERVICE

STATIONS: Athens 7.5 kW

6177 kc/s	48.56 m	9607 kc/s	31.23 m	15345 kc/s	19.55 m
7300 –	41.10 –	11718 –	25.60 –		

DAILY PROGRAMMES: (Wi=Winter. Su=Summer.)	Wi	Su
07.15*–08.30 to Cyprus in Greek	9607	9607
09.00 –10.00 to Egypt in Greek	9607	9607
10.30 –13.00 to Cyprus in Greek	9607	9607
13.30 –14.45 to Balkans	6177	6177
13.30 Turkish 13.45 Yugoslav		
14.00 Rumanian 14.15 Bulgarian		
14.30 Albanian		
15.00–16.00 to Cyprus in Greek	6177	9607
16.30–16.45 to Russia in Russian	9607	11718
17.00–18.00 to N.W.Europe in Greek, French and English	7300	11718
18.30–19.30 to N.W.Europe in Greek	7300	11718

*) Sun. 05.30.

N. in Greek: W. 07.45–08.00, 11.00–11.10, 12.40–12.55, 15.30–15.45 (Dictation), 15.55–16.00, 19.00–19.15. Sun. 08.15–08.25, 11.00–11.10. – Weather Rep. and Warnings to Shipping in Greek and English: 12.55–13.00, 17.00–17.05. Religious Service: (Orthodox) Sun. 05.30–08.15. Greek Music: W. 12.30–12.40, 17.05–17.30, 19.10–19.30.

ANNOUNCEMENT: Greek: "Edho Radhiophonikos Stathmos Athinon vracheon kymaton". English: "This is Radio Athens the voice of Greece". French: "Ici Radio Athènes la voix de la Grèce".

STATION-SIGNAL: See Home Service.

VERIFICATION: By QSL-card or letter. Return postage not required.

FORCES BROADCASTING STATIONS

ATHENS (Central)

ADDRESS: Forces' Central Radio Station, 3, Zalokostas St., Athens (K).

STATIONS:

1300 kc/s	230.7 m	1 kW	7422 kc/s	40.43 m	1 kW
6330 –	47.30 –	5 kW			

DAILY PROGRAMMES: 05.00–07.30, 10.00–13.00, 15.30–22.00. News: 12.00, 19.00.

ANNOUNCEMENT: "Edho Athinae; Kendrikos Radhiophonikos Stathmos Enoplon Dhynameon Helladhos" (This is Athens; The Central Radio Station of the Greek Armed Forces).

INTERVAL-SIGNAL: The main motif from the march "Greece never dies" played very slowly on trumpets:

JANNINA: 7050 kc/s 42.61 m 0.3 kW.
Daily Progr.: 05.00–07.00, 10.00–14.30, 15.30–20.00.

KAVALLA: 7508 kc/s 39.96 m 0.5 kW.
Daily Progr.: 05.00–07.00, 10.30–13.00, 17.00–20.00.

KOZANI: 7950 kc/s 37.74 m 0.5 kW.
Daily Progr.: 05.00–06.00, 10.00–12.00, 17.00–21.00.

LARISSA: 6752 kc/s 44.43 m 0.5 kW.
Daily Progr.: 05.00–07.00, 10.00–13.00, 16.30–21.00.

MAKONISSOS: 7030 kc/s 42.67 m 0.08 kW.
Daily Progr.: 05.00–07.00, 10.30–13.00, 16.00–20.00.

SALONICA: 1006 kc/s 298.2 m 1 kW. 7000 kc/s 42.86 m 0.4 kW.
Daily Progr.: W: *05.00–**07.00, 10.00–12.30, 15.00–21.00.
S: *) Summer: 04.30. **) Sun.: 08.30.

TRIPOLIS: 6270 kc/s 47.86 m 0.5 kW.
Daily Progr.: 05.30–06.30, 10.00–12.00, 17.00–20.00.

PRIVATE BROADCASTING STATIONS

Chios	6590 kc/s	45.42 m	0.1 kW	17.00–21.00
Heraklion (Candia)	6480 –	46.30 –	0.06 –	17.00–21.00
Karpenission	6525 –	46.00 –	0.3 –	17.00–21.00
Megara	1186 –	253.0 –	0.06 –	05.30–07.00
				10.30–12.30
Mytilini	6240 –	48.07 –	0.1 –	17.00–20.30

VOICE OF AMERICA RELAY BASE

ADDRESS: Voice of America, American Consulate, Salonika, or Voice of America, Washington 25, D.C., USA.

STATIONS:

Medium Wave: 791 kc/s 379.2 m 50 kW: 09.30–13.30, 15.30–22.15.

09.30–13.30 Greek (R. Athens).	18.45–19.00 Albanian
15.30–17.00 Greek (R. Athens)	19.00–19.30 Hungarian
17.00–17.15 Bulgarian	19.30–20.00 Bulgarian
17.15–17.30 Greek	20.00–20.30 Rumanian
17.30–17.45 Serbo-Croat	20.30–20.45 Greek
17.45–18.00 Rumanian	20.45–21.15 Hungarian
18.00–18.30 Bulgarian	21.15–22.15 Greek (R. Ath.)
18.30–18.45 Slovene	

Short Wave: 35 kW: 14.15–22.00.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
5960	50.34	7215	41.58	9530	31.48	11735	25.56
6040	49.67	7265	41.29	9685	30.98	11845	25.33

DAILY PROGRAMMES: See U.S.A.

ANNOUNCEMENT: "This is Salonika, transmitting the programs of the Voice of America".

VERIFICATION by QSL-card. No return postage required.

DODECANESE ISLANDS
VOICE OF AMERICA SEABORNE RELAY BASE

Seaborne Relay Base aboard U.S. C.G.C. "Courier", currently located at the Island of Rhodes.

ADDRESS: Voice of America, Washington 25, D.C., U.S.A.

STATIONS:

Medium Wave: 1259 kc/s 238.3 m 150 kW: 15.30–01.45.

Short Wave: 35 kW: 14.15–01.45.

6015 kc/s	49.88 m	9685 kc/s	30.98 m
7200 –	41.67 –	11805 –	25.41 –

DAILY PROGRAMMES:

ON 1259 KC/S		ON SHORT WAVE
15.30 English	22.30 Albanian	14.15 Russian
16.00 Turkish	22.45 Rumanian	15.00 Armenian
18.00 Arabic	23.15 Hungarian	15.30 Ukrainian
20.00 English	23.45 Czech	16.00–
21.00 Georgian	00.00 Armenian	01.45 Same as 1259 kc/s
21.15 Russian	00.30 Georgian	
21.45 Georgian	00.45 Bulgarian	
22.00 Bulgarian	01.15 Russian	

ANNOUNCEMENT: "This is the Courier, seaborne relay base of the Voice of America".

VERIFICATION by QSL-card. No return postage required.

GREENLAND

GROENLANDS RADIO (GOVT.).

Ministry of State, Greenland-Dept., Vangehusvej 12, Copenhagen.

GODTHAAB RADIO

ADDRESS: Grønlands Radiofoni, Godthaab. Cable: Radiopress, Greenland.

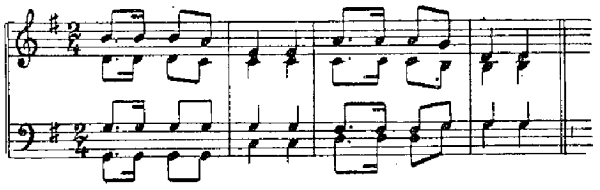
LEADING PERSONALITIES: Chief-Editor: P. R. Brandt. Asst-Editor: U. Kristiansen.

STATIONS: OXI 633 kc/s 475 m 1 kW – 9526 kc/s 31.50 m 1 kW.

DAILY PROGRAMMES: D. 21.00–01.00. Sun. 12.00–13.00, 15.00–16.30, 22.00–01.00. Occasionally religious service Sun. 13.00–14.00 or 19.00–20.00. Progr. consists of **Weather Reports News and Ships Positions in Greenlandic and Danish Language Lessons, Talks, Outside Broadcasts, Music, Entertainments.**

ANNOUNCEMENT: "Grønlands Radiofoni, Godthaab" in Danish and Greenlandic.

INTERVAL-SIGNAL: Greenlandic Song "Sonja Kaligpok".



ANGMAGSSALIK RARIO

ADDRESS: Angmagssalik Radiostation, Angmagssalik.

STATION: OZL 1500 kc/s 200 m 7570 kc/s 39.63 m 0.5 kW

DAILY PROGRAMMES: W. 14.00–14.50. News, Weather and Ship's Positions in Danish and Greenlandic, Records.

ANNOUNCEMENT in Danish: "Goddag. Her er Angmagssalik med de danske nyheder".

VERIFICATION by letter. Reports should be sent to the resp. stations in Greenland. Return postage is required.

ARMED FORCES RADIO (U.S.A. Military).

AFRS Thule Airport 4425 kc/s 1 kW.

HOLLAND

HOME SERVICE:

ADDRESS: Stichting Nederlandsche Radio-Unie, The Dutch Radio Union, Postbox 150, Hilversum. Cable: Radiounie.

The Dutch Programmes for Home are provided by the following broadcasting societies:

A.V.R.O.: Algemeene Vereeniging Radio-Omroep. Head-office: Keizersgracht 107, Amsterdam. Studio's: 's Gravelandseweg 52, Hilversum. Chairman: H. G. A. Quarles van Ufford. Secretary: H. A. Wassenbergh LL. D. Man. Dir.: D. Repko.

K.R.O.: Katholieke Radio-Omroep, Emmastraat 52, Hilversum. Chairman: Prof. Dr. J. B. Kors O. P. Secretary: L. P. N. A. Bouwman. Treasurer: C. Burger. Man. Dir.: P. A. M. Speet.

N.C.R.V.: Nederlandsche Christelijke Radio Vereeniging, Schuttersweg 8, Hilversum. Chairman: A. B. Roosjen LL. D. Secr.-Treasurer: C. A. Keuning. Member: D. Pereboom. Man. Dir.: A. H. v. d. Veen LL. D.

V.A.R.A.: Vereniging van Arbeiders Radio-Amateurs, Heuvellaan 33–35, Hilversum. Chairman: J. A. W. Burger LL. D. Secr.-Treasurer: J. W. Lebon. Progr. Secr.: J. B. Broeksz. Secretary: J. W. Rengelink.

V.P.R.O.: Vrijzinnig Protestantsche Radio-Omroep, 's Gravelandseweg 65, Hilversum. Chairman: Miss Dr. N. A. Bruining. Secr.-Treasurer: G. J. Ligthart. Second Secretary: Prof. Dr. C. W. Mönnich. Man. Dir.: Dr. E. D. Spelberg.

CENTRAL ADDRESS for the four broadcasting societies: Centraal Bureau voor den Omroep in Nederland, Postbox 52, Hilversum.

LEADING PERSONALITIES of De Nederlandsche Radio-Unie: Chairman: Prof. Dr. J. B. Kors O. P. Secretary: J. W. Lebon. Treasurer: H. G. A. Quarles van Ufford. Members: J. B. Broeksz, Miss Dr. N. A. Bruining, D. Repko, A. B. Roosjen, P. A. M. Speet, A. H. v. d. Veen LL. D.

STATIONS: Long and Medium Waves.

	kc/s	m	kW		kc/s	m	kW
Lopik I [1])	746	402	120	Hengelo	1594	188	2.5[3])
Lopik II[2])	1007	298	120	Hulsberg	1594	188	2.5
Hoogezand	1594	188	2.5[3])				

[1]) Hilversum I. – [2]) Hilversum II. – [3]) These regional transmitters give own programmes 17.00–18.00. From 16.00–17.00, 18.00–23.00 they relay the Hilversum II progr.

DAILY PROGRAMMES:

Hilversum I: 06.00–23.00. **Hilversum II:** 06.00–23.00.

News 1st and 3rd quarter.

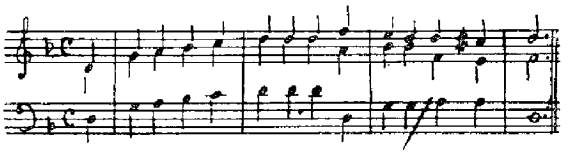
Hilversum I: 06.00(W.), 07.00, 12.00, 17.00(W.), 17.15(Sun.), 19.00, 22.00.

Hilversum II: 06.00(W.), 07.00, 08.30(Sun.), 12.00, 18.00(W.), 18.30 (Sun.), 22.00.

News in 2nd and 4th quarter:

Hilversum I: As Hilversum II. Hilversum II: As Hilversum I.

INTERVAL-SIGNAL: A tune from "Valerius Gedenckklanck": "O Nederland, let op u saeck, de tyt en stont is daer".



FOREIGN SERVICE

RADIO NEDERLAND WERELDOMROEP (non comm.)

ADDRESS: Radio Nederland, P.O. Box 137, Hilversum, The Netherlands. Main Office: 's/ Gravelandseweg 76, Hilversum. Cable: "Mundivox".

LEADING PERSONALITIES: Dir. Gen.: H. J. van den Broek. Dir. of Progr.: G. Sluizer. Dir. Administration: C. J. Strop. Head of Central Program Services: J. W. Acda. Head of News Service: Dr. J. W. Niessink. Head of Dutch Service: H. J. P. J. van Eijndhoven. Head of International Service: F. Thors. Producer "Happy Station" Progr.: Edw. Startz. Head of Technical Services: V. J. de Grijs.

STATIONS:	kc/s	m	kW		kc/s	m	kW
Huizen 2	6025	49.79	5	Lopik 4	11730	25.58	40
Lopik 4	6025	49.79	40	Huizen 3	11950	25.10	5
Lopik 4	7210	41.61	40	Huizen 1	15220	19.71	40
Huizen 1	9590	31.28	40	Kootwijk	15425	19.45	15
Huizen 3	9745	30.78	5	Lopik 4	17775	16.88	40

ABBREVIATIONS: A=Africa. Au=Australia. C=Canada. CAm=Central America. E=Europe. FE=Far East. I=India. In=Indonesia. ME=Middle East. NA=N. Africa. NAm=N. America. NAn=Netherlands Antilles. NG=New Guinea. NZ=New Zealand. Sp=Spain. Su=Surinam. SA=S. Africa. SAm=S. America. *) for Europe only.

DAILY PROGRAMMES

AFRIKAANS:

W.: 17.30–18.00 SA 6025*), 9590, 11730 kc/s (all the year round)
N. & Commentary: 17.32–17.39. – Mailbag: Mo. 17.39–17.59. – Progr. Preview: Sat. 17.56–17.59.

ARABIC:

W.: 16.30–17.10 ME 6025*), 9590, 11730, 15425 kc/s (Nov.)–March)
6025*), 11730, 15220, 15425 kc/s (April/Sept.)
W.: 20.00–20.40 NA 6025*), 7210, 9590 kc/s (Nov./March)
6025*), 9590, 11730 kc/s (April/Sept.)

N. & Commentary: 16.32–16.40, 20.02–20.10. – Religious: Thurs. 16.40–16.47, 20.10–20.17. – Request Progr.: Sat. 16.40–17.08, 20.10–20.38. – Mailbag: Fri.: 16.45–16.55, 20.15–20.25. – Progr. Preview: W.: 17.08–17.09, 20.38–20.39.

DUTCH:

W.: 09.00–09.45 Au/NZ 6025*), 15220, 15425, 17775 kc/s (Nov./March)
Sun. 09.00–10.25 In/A } 6025*), 15220, 15425, 17775 kc/s (all the
W.: 10.30–11.30§) NG/In } year round)
W.: 13.00–15.00**) In } 6025*), 11730, 15220, 15425 kc/s (Nov./March)
Sun. 13.00–15.50 In } 6025*), 15220, 15425, 17775 kc/s (April/Sept).
W.: 18.00–20.00 A/E } 6025*), 9590, 11730 kc/s
Sun. 18.00–21.00 A/E } (all the year round)
W.: 22.30–23.00 C
W.: 23.05–01.30 NAn/Su } 6025, 9590 kc/s (Nov/March)
Sun. 23.05–02.00 NAn/Su } 9590, 11730 kc/s (April/Sept.)
D.: 04.00–05.00 Au/NZ 9590, 11730 kc/s (April/Sept.)

§) Mo. 10.30–11.40. Tues. 10.30–11.50. Fri. & every first and third Thurs. of the month 10.30–11.55.
**) Tues. 13.00–15.20. Fri. & every first and third Thurs. of the month 13.00–15.25.

N. & Commentary: D.: 09.00–09.10, 10.30–10.40, 13.00–13.10, 18.00–18.10, 22.30–22.35. – **Religious:** Sun.: 09.00–10.25, 13.40–14.00, 18.40–19.00, 23.07–23.27. – **Dutch Music: (The Amsterdam Concertgebouw orchestra)** Sun.: 14.00–15.00, 19.00–20.00. Mo. 00.00–01.00 (Announcement in Dutch/English and Spanish). – **Request Progr.:** Wed.: 09.17–09.27, 10.47–11.00, 13.17–13.40, 18.17–18.40, 22.42–22.57. Thurs. 00.26–00.47.
Mailbag: Fri. fortnightly (alternating with **United Nations Commentary**) 09.30–09.42. – Thurs.: 11.26–11.38, 13.30–13.42, 18.30–18.42, 22.46–22.58. – Fri. 00.13–00.25.
Sport: 15.05–15.48, 20.15–20.58. Mo.: 01.15–01.58, 09.28–09.43, 11.13–11.38, 13.30–13.45, 18.30–18.45, 22.43–22.58. Tues. 00.24–00.39. – **Progr. Preview:** Sat.: 09.35–09.38, 11.35–11.38, 14.46–14.50, 19.46–19.50. Sun. 00.46–00.50. – **Bourse:** W.: 14.52–14.54, 19.53–19.54. D. exc. Mo. 01.23–01.24.

ENGLISH:

W.: 09.45–10.25 Au/NZ 6025*), 15220, 15425, 17775 kc/s (Nov./March)
W.: 15.45–16.25 I/A } 6025*), 9590, 15425, 17775 kc/s (Nov./March)
} 6025*), 15220, 15425, 17775 kc/s (April/Sept.)
W.: 21.45–22.25 E/NAm } 6025, 9590 kc/s (Nov./March)
} 9590, 11730 kc/s (April/Sept.)
D. exc. Mo.
02.30–03.10 NAm 6025, 9590 kc/s (Nov./March)
D. exc. Mo.
02.30–03.10 NAm/Au/NZS6025, 9590 kc/s (April/Sept.)

N. & Commentary: 09.45–09.53, 15.45–15.53, 21.45–21.53, 02.30–02.38.
Dutch Music: The Nederlands Composers: Wed. 10.00–10.25, 16.00–16.25, 22.00–22.25. – Thurs. 02.45–03.10. **The Amsterdam Concertgebouw Orchestra:** See Dutch programmes.
Request Progr.: Tues.: 10.00–10.20, 16.00–16.20, 22.00–22.20. Wed. 02.45–03.05. – **Mailbag:** (Letterbox): Thurs. fortnightly: 10.08–10.23, 16.08–16.23, 22.08–22.23. Fri. fortnightly: 02.53–03.08. – **Progr. Preview:** Sat.: 10.18–10.24, 16.18–16.24, 22.18–22.24. Sun. 03.03–03.09

INDONESIAN:

D.: 12.00–13.00 In 6025*), 15220, 15425, 17775 kc/s (all the year round)

N. & Commentary: W. 12.02–12.12. Sun. 12.07–12.12. – **Religious:** Sun. 12.02–12.07. – **Dutch Music: (The Amsterdam Concertgebouw Orchestra):** Sun. 12.17–12.45. – **Request Progr.:** Sat. 12.20–12.56. – **Mailbag:** Tues. fortnightly: 12.30–12.40. – **Progr. Preview:** Sat. 12.56–12.58.

SPANISH:

W.: 20.45–21.25 Sp 6025, 7210, 9590 (all the year round)
D.ex.Mo. 01.45–02.25 SAm 6025, 9590 kc/s (all the year round)
D.ex.Mo. 03.15–03.55 CAm 6025, 9590 kc/s (all the year round)

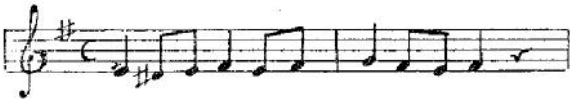
N. & Commentary: 20.47–20.55, 01.47–01.55, 03.17–03.25. – **Dutch Music: Netherlands Composers:** Wed. 20.59–21.25. Thurs.: 01.59–02.25, 03.25–03.55. **The Amsterdam Concertgebouw Orchestra:** see Dutch programmes. – **Request Progr.:** Tues. 20.59–21.15. Wed.: 01.59–02.15, 03.29–03.45. – **Mailbag:** Thurs. fortnightly: 21.08–21.25. Fri. fortnightly: 02.08–02.25, 03.38–03.55. – **Progr. Preview:** Sat. 21.20–21.25, 02.20–02.25, 03.50–03.55.

"HAPPY STATION":

These programmes, produced and presented by Edward Startz, are of 90 minutes duration, consisting of: Musical entertainment, linked by polygot announcements. They are usually supplemented by features of universal interest. Special programme in Spanish and Portuguese for the Latin countries. "Mailbag" answering listeners' mail by calls to all parts of the globe. From its inception in 1928 – with exc. of the war years – 1955 marks the 27th year of the "Happy Station"s round the world broadcasting.

ANNOUNCEMENT: Dutch: "Hier Radio Nederland in Hilversum", **English:** "This is the International Service of Radio Nederland in Hilversum, Holland". – **Indonesian:** "Disini Hilversum, Siaran Indonesia Radio Nederland". – **Spanish:** "Aqui Radio Nederland de Hilversum, Holanda". – **Arabic:** "Huna Hilversum – al-idha'atu'l hulandiya bi'l-lughati'l-Arabiya-".

GENERAL INTERVAL-SIGNAL: Old Dutch folk-song called: "Merk toch hoe sterck" played on carillon or celesta on all frequencies.



VERIFICATION by letter or QSL-card.

FUTURE PLANS: Two 100 kW-stations probably ready for operation in the course of 1955.

TRANSCRIPTION SERVICE: A free service to foreign stations. Issues complete programmes about Holland both informative and musical.

PROGRAMME BULLETINS in **Dutch, English, Spanish, Afrikaans, Arabic** and **Indonesian** are sent free of charge on application.

Deutsche Welle: Deutsche Welle receives thousand of letters from listeners all over world, which all are answered by letter and QSL-card (left).
Emissora Nacional de Radiodifusao Lisboa: Announcer D. Joao Da Camara.

HUNGARY

HUNGARIAN BROADCASTING SERVICE (Govt.)

ADDRESS: Magyar Radiohivatal, VIII, Brody Sandor-u 5, Budapest. Cable: "Magyar-Radio".

STATIONS:

Medium Waves:				Short Waves: Budapest 100 kW.	
	kc/s	m	kW	kc/s	m
R. Kossuth	539	556.5	135	6248	48.02
R. Petöfi	872	344.0	135	7220	41.55
Nyiregyhaza	1250	240.0	20 1)	9833	30.51
Magyarovar	1340	223.8	5 1)	11910	25.19
Miscolc	1340	223.8	5 1)	15500	19.35
Pecs	1340	223.8	5 1)		

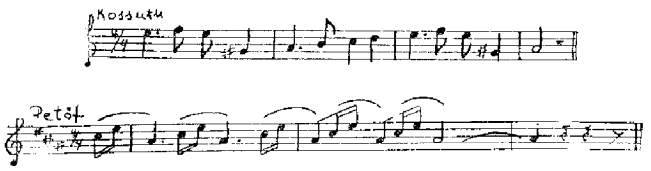
1) Relay and Regional.

HOME SERVICE in Hungarian
539 kc/s: 03.30–07.30, 10.30–23.22. – News: 03.30, 05.00, 06.00, 09.00, 11.00, 13.00, 16.00, 19.00, 21.00, 23.00.
872 kc/s: 05.00–10.30, 13.00–22.00.

FOREIGN SERVICE: English: To Europe – Sun. 11.00–11.30, 16.00–16.30 on 9833 kc/s. D. 20.00–20.30, 22.00–22.30 on 6248/7220 kc/s.
To N. America – D. 00.30–01.00, 04.00–04.30 on 6248/7220/9833 kc/s.
ANNOUNCEMENTS: English: "This is Budapest short wave radio broadcasting station. The Hungarian People's Republic speaks to you."

Holland Hungary Deutsche Welle Germany Joar da Camara

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter.

ICELAND

ICELAND STATE BROADCAST SERVICE (Govt.)

ADDRESS: Rikisutvarpid, Box 1026, Reykjavik. Cable: "Utvarp".

LEADING PERSONALITIES: Director General: Vilhjamur Th. Gislason. Director of Programmes: H. Hjørvar.

HOME SERVICE:

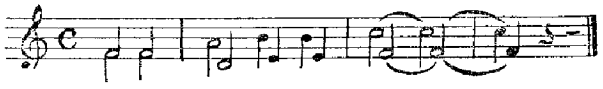
Reykjavik	TFU	182 kc/s	1648 m	100 kW
Eidar	TFE	611 –	491 –	5 –
Hoefn		665 –	451.2 –	1 – *)
Akureyri		737 –	407.1 –	5 – *)
Reykjavik	TFJ	12175 –	24.64 –	7 – *)

*) Relay TFU.

09.30–10.00, 13.10–14.15, 16.30–17.30, 19.30–24.00.
News: 09.30, 13.25, 16.55, 19.00, 21.00.
On short wave to Icelanders in Scandinavia Sun. 16.15–16.30.

ANNOUNCEMENT: "Ut varp, Reykjavik".

INTERVAL-SIGNAL: Opening Signal for short wave transm.



VERIFICATION by QSL-card. Return postage requested.

ARMED FORCES RADIO AND TELEVISION SERVICE (USA Military).

ADDRESS: Keflavik Airport, Iceland.
Station TFK 1484 kc/s 202.2 m 0.25 kW.

DAILY PROGRAMMES in English: W.: 07.30–01.00, Sun.: 09.00–24.00.

ANNOUNCEMENT: "This is TFK Keflavik Airport Iceland".

IRELAND

RADIO EIREANN (GOVERNMENT-ADV.)

ADDRESS: General Post Office, Dublin. Cable: Radio Eireann.

LEADING PERSONALITIES: Chairman Radio Eireann Council: Charles L. Brennan. Director of Broadcasting: Maurice Gorham. Controller of Programmes: Robert Farren. Administration Officer: Matthew Doherty. Chief Engineer: John O'Keeffe.

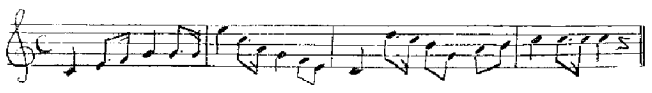
HOME SERVICE in English and Irish:
W. 08.00–09.15, 13.00–14.30, 17.30–23.30. Sun. 10.30–11.15, 12.30 (or 11.30)–23.30.

Athlone	566 kc/s	530 m	100 kW
Dublin, Cork	1250 –	240 –	5 –

N.: in English: 08.00 (W), 09.00 (W), 13.30 (W), 18.30, 22.15. – N. in Irish: 22.00. – Weatherrep.: given with all news bulletins. – Time-Sig.: 08.00 (W), 13.00, 17.30, 18.00, 18.30, 22.30. – Religious Progr.: Sun. 10.30–11.15 (High Mass.). – Irish Music: Sat. 20.30–21.00. – Request Progr.: Wed. 13.00–13.30, 13.45–14.30 (for hospitals). – Program Preview: 09.15 and 18.25 approx. – Bourse: 18.20 approx. Obs.: All programmes in English exc. where indicated. The morning and midday transmissions are for the most part given to sponsored advertising programmes.

ANNOUNCEMENT: "Radio Eireann".

INTERVAL-SIGNAL: Musical Box playing 4 bars of Irish Air "O Donnell Abu".



VERIFICATION by letter. Reports are wanted. No return postage required.

ITALY

Population: 47.861.000. – Licensed Listeners: 5.077.834 (30/6–54).

Local Time: GMT+1 h.

RAI – RADIOTELEVISIONE ITALIANA

(State Service granted by public act to RAI).

ADDRESS: Via del Babuino 9, Roma. Cable: "Raidirro".

LEADING PERSONALITIES: Press.: Prof. Antonio Carrelli. – Vice Pres.: Avv. Attilio Pacces, Hon. Luigi Bennani. – Man. Dir.: Ing. Filiberto Guala. – Dir. Gen.: Ing. Giovanni Battista Vicentini. – Vice Dir. Gen.: Dr. Marcello Bernardi. – General Secretary (Dir. Foreign Rel.) Dr. Gian Zaffrani. – Dir. Adm.: Dr. Bruno Vasari. – Dir. Progr. (Radio): Maestro Giulio Razzi. – Subdir. of Progr. (Radio): Maestro Mario Labroca. – Dir. TV: Dr. Sergio Pugliese. – Dir. Radio News: Dr. Antonio Piccone Stella. – Tec. Dir. (Radio): Ing. Gino Castelnuovo. – Dir. Tec. TV.: Ing. Sergio Bertolotti. – Directors "Radiocorriere": Ing. Vittotio Malinverni. Dr. Eugenio Bertuetti.

HOME SERVICE in Italian:
Not possible to indicate powers owing to pending changes.

NATIONAL PROGRAMME: W.: 06.00–08.00, 10.00–13.30, 15.25–23.00. Sun. 06.00–23.00.

Main Stations:	kc/s	m
Caltanissetta I	566	530.0
Milano I	899	333.7
Cagliari I	1061	282.8
Syncronized Groupe:		
Bolzano I	656	457.3
Firenze I		457.3
Napoli I		457.3
Torino I		457.3
Venezia I		457.3
Bari I	1331	225.4
Bologna I		225.4
Catania I		225.4
Genova I		225.4
Messina I		225.4
Palermo I		225.4
Pescara I		225.4
Roma I		225.4
Udine I		225.4

Local & Relay Stations:	kc/s	m
La Spezia I	1484	202.2
Verona I		202.2
Ancona I	1578	190.1
Brindisi I		190.1
Catanzaro I		190.1
Cosenza I		190.1
Lecce I		190.1
Perugia I		190.1
Taranto I		190.1
Terni I		190.1
Short Waves:		
Caltanissetta	6240	48.08
Caltanissetta	9420	31.85

N. & comments: 06.00(W.), 07.00, 12.00, 13.00, 19.30, 22.15, 23.00. – Time Sign.: 06.00(W.), 07.00, 12.00, 19.30, 23.00. – Weatherrep.: 07.00, 12.00. – Religious: Sun. 06.30–06.45, 08.00–09.00. – Language Lessons: 15.45–16.00. French: Mo., Thurs. English: Tues., Fri. German: Wed., Sat. (These lessons will last from october to june. Spanish & Portuguese lessons will take their place in summer months). – Stock Exchange: W. 13.00. – Opera, Lyric, Music: Mo. 20.00, Wed. 20.00. Sat. 17.30 (winter only). – Symphoney: Sun. 16.30. Fri. 21.00.

SECOND PROGRAMME: W.: 08.00–10.00, 12.00–22.30. Sun.: 07.30–11.00, 12.00–22.30.

Main Stations:	kc/s	m
Roma II	845	355
Syncronized Groupe:		
Genova 2	1034	290.1
Milano 2		290.1
Napoli 2		290.1
Pescara 2		290.1
Venezia 2		290.1
Aosta 2	1115	269.1
Bari 2		269.1
Bologna 2		269.1
Pisa 2		269.1
Ancona 2	1448	207.2
Catania 2		207.2
Firenze 2		207.2
Palermo 2		207.2
Sanremo 2		207.2
Sassari 2		207.2
Torino 2		207.2
Udine 2		207.2

Local & Relay Stations:	kc/s	m
Bolzano 2	1484	202.2
Cagliari 2		202.2
Trieste 2		202.2
Agrigento 2	1578	190.1
Alessandria 2		190.1
Aquila 2		190.1
Arezzo 2		190.1
Ascoli Piceno		190.1
Biella 2	1578	190.1
Bressanone 2		190.1
Cuneo 2		190.1
Foggia 2		190.1
Gorizia 2		190.1
Merano 2		190.1
Potenza 2		190.1
Reggio C2		190.1
Salerno 2		190.1
Savona 2		190.1
Siena 2		190.1
Sandrio 2		190.1
Trento 2		190.1
Verona 2		190.1
Vicenza 2		190.1

Short Waves:
Palermo 7175 kc/s 41.81 m

FM:
Monte Venda M.F.II 89.9 mc/s – Milano M.F.II 93.7 mc/s – Genova M.F.II 94.9 mc/s – Torino M.F.II 95.9 mc/s – Monte Penice M.F.II 97.4 mc/s.

N. & Comments: W.: 12.30, 14.00, 17.00, 19.00, 21.00 (Approx). Sun.: 12.30, 19.00. – Weatherrep.: W. 14.00. – Time Sign.: W.: 14.00, 19.00. Sun. 19.00. – Opera, Lyric Music: Tues. 16.00, Sat. 20.00. – Symphony: Thurs. 20.30.

Italy

THIRD PROGRAMME: W. 18.00–23.00. Sun.: 14.30–17.30, 18.00–23.00.

Syncronized Stations:	kc/s	m
Bari 3	1367	219.5
Bologna 3		219.5
Bolzano 3		219.5
Catania 3		219.5
Firenze 3		219.5
Genova 3		219.5
Milano 3		219.5
Napoli 3		219.5
Palermo 3		219.5
Roma 3		219.5
Torino 3		219.5
Venezia 3		219.5
Verona 3		219.5

Relay Stations:	kc/s	m
Livorno 3	1578	190.1
Pisa 3		190.1
Short Wave:		
Roma	3995	75.09
FM Stations:		
	mc/s	
Bologna	90.9	
Monte Penice	91.7	
Trieste	92.9	
Firenze	93.9	
Napoli	94.5	
Genova	96.9	
Venezia	98.3	
Roma	98.9	
Torino	98.9	
Milano	99.9	

N. & Comments: 20.00. – **Opera, Lyric Music:** Sun. 20.30. – **Symphony:** Daily 19.15. Sat. 20.30.

NIGHT PROGRAMME ("Notturno dall' Italia")
Roma 2 845 kc/s 355 m 150 kW. D. 22.35–06.00 – News & Music. – **N. in Italian & English:** 00.00, 01.00, 02.00, 03.00, 04.00, 05.00. – **N. in French & Germany:** 23.30, 00.30, 01.30, 02.30, 03.30, 04.30.

ANNOUNCEMENTS: "RAI – Radiotelevisione Italiana – Stazioni del (Programma Nazionale, Secondo Programma, Terzo Programma)" Night Programme: "RAI – Radiotelevisione Italiana – Stazione di Roma 2 che trasmette sulla lunghezza d'onda di m. 355 pari a kc/s 845 – "Notturno dall' Italia".

INTERVAL-SIGNAL: Bird chirping.

VERIFICATION by QSL-card.

FOREIGN SERVICE

Radio Roma 50/60/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6010	49.92	9630	31.15	11905	25.20	17770	16.88
7275	41.24	9710	30.90	15120	19.84	17800	16.85
7290	41.15	9780	30.67	15325	19.58	21560	13.91
9575	31.33	11810	25.40	15400	19.48		

EUROPEAN SERVICE	Nov./Feb. kc/s	March/April m.b.	May/Aug. m.b.
Albanian			
13.10–13.30	7290, 6010	49, 41	49, 41
18.45–19.05	9575, 6010	49, 31	49, 31
Bulgarian			
20.50–21.10	15400, 11810, 7290	41, 25, 19	41, 25, 19
Czech			
12.30–12.50	11905, 9630, 7290	41, 31, 25	41, 31, 25
21.40–22.00	9575, 6010	49, 31	49, 31
Danish/Norwegian			
17.30–17.50 (exc. Sun.)	15400, 11810, 7290	41, 25, 19	41, 25, 19
Dutch (Tues., Sat.)			
17.50–18.10	9575, 6010	49, 31	49, 31
English			
18.30–19.05	15400, 11810, 7290	41, 25, 19	41, 25, 19
Esperanto			
17.50–18.10 (Wed., Fri.)	9575, 6010	49, 31	49, 31
French			
17.50–18.10 (Sun. for Belgium)	7290, 6010	49, 31	49, 31
18.10–18.45	9575, 6010	49, 31	49, 31
German			
12.50–13.10	9575, 6010	41, 31, 25	49, 31
17.30–17.50 (For Austria)	9575, 6010	49, 31	49, 31
20.00–20.20	9575, 6010	49, 31	49, 31
Greek			
19.40–20.00	9575, 6010	49, 31	49, 31
Hungarian			
13.50–14.10	7290, 6010	49, 41	49, 41
22.00–22.20	9575, 6010	49, 31	49, 31
Italian			
18.10–18.30 (Sun.)	15400, 11810, 7290	41, 25, 19	41, 25, 19
Lithuanian			
20.30–20.50	15400, 11810, 7290	41, 25, 19	41, 25, 19
Polish			
12.50–13.10	11905, 9630, 7290	41, 31, 25	41, 31, 25
20.10–20.30	15400, 11810, 7290	41, 25, 19	41, 25, 19
Portuguese			
21.30–21.55	15400, 11810, 7290	41, 25, 19	41, 25, 19
Rumanian			
12.10–12.30	9575, 6010	49, 31	49, 31
21.00–21.20	9575, 6010	49, 31	49, 31
Russian			
12.10–12.30	11810, 9710, 9575,	41, 31, 25	41, 31, 25
03.20–03.30	7275, 6010		
14.15–14.45	11905, 9575	31, 25	31, 25
21.10–21.30	15400, 11810, 7290	41, 25, 19	41, 25, 19
Serbian			
21.20–21.40	9575, 6010	49, 31	49, 31
Slovak			
13.30–13.50	7290, 6010	49, 41	49, 41
Slovenian			
12.30–12.50	9575, 6010	49, 31	49, 31
Spanish			
21.55–22.20	15400, 11810, 7290	41, 25, 19	41, 25, 19
Swedish/Finnish			
18.10–18.30 (exc. Sun.)	15400, 11810, 7290	41, 25, 19	41, 25, 19
Turkish			
19.40–20.10	15400, 11810, 7290	41, 25, 19	41, 25, 19
Ukranian			
17.50–18.10	15400, 11810, 7290	41, 25, 19	41, 25, 19
Nato Problems			
(English & French: Thurs.)			
17.50–18.10	9575, 6010	49, 31	49, 31
Radio Problems			
(English & French: Sun.)			
17.30–17.50	15400, 11810, 7290	41, 25, 19	41, 25, 19
European Problems			
(French & English: Mo.)			
17.50–18.10	9575, 6010	49, 31	49, 31
Music			
12.10–12.30	11905, 9630, 7290		

OVERSEAS SERVICE

Abbreviations: I=Australia/New Zealand. II=N. and W. Africa. III=Indonesia. IV=Far East. V=Australia. VI=Iran/Afghanistan. VII=India/Pakistan. VIII=S. Africa. IX=Africa, N. East. X=N. America, E. Coast. XI=Brazil. XII=S. America. XIII=Canada. XIV=N. America, W. Coast. XV=C. America, Mexico. XVI=America. XVII=E. Africa. XVIII=Somali.

	Target Area	Nov./Feb. m.b.	March/Aug. m.b.
Arabic			
06.30–06.45		17800, 15400, 11900, 9570, 6010	49, 31, 25, 19, 16
Italian			
06.50–07.45	I	17800, 15400, 15320, 11900, 9780	25, 19, 16, 13
Italian			
07.50–08.55 Dictation news		21560, 17800, 15400, 11900, 9570	31, 25, 19, 16, 13
English			
09.00–09.35	I	17800, 15320, 11900	19, 16, 13
French/English			
09.00–09.35	II	9630, 6010	49, 31
Indonesian/French			
09.40–10.10 N.	III	21560, 17770, 15329, 11900, 9630	31, 25, 19, 16, 13
Italian			
10.15–10.40	XVII	17770, 15320	31, 16
Arabic, Somali			
10.40–11.10	XVIII	17770, 15320	31, 16
Japanese/English/Chinese			
10.15–11.10	IV	15120, 11900, 9570	25, 19, 16
Italian			
13.15–14.15	I	15230, 11900, 9570	31, 25, 19
Italian			
14.15–15.05 Dictation news		21560, 17800, 15320	19, 16, 13
Persian			
14.45–15.05	VI	11900, 9570	31, 25
Hindu/Urdu			
15.00–15.30 Sun. 9570, 6010 only	VII	15320, 11900, 9570, 7290, 6010	19, 16
Italian			
16.30–16.35 Sport Sun. only		17800, 15320, 11900	49, 31, 25
English			
15.35–15.55 exc. Sun.	VIII	17300, 15320	19, 16
Italian			
15.35–15.55 N. in Italian		11810, 9570, 6010	31, 25
Italian			
16.05–17.25	IX	17800, 15400, 11810, 9570, 6010	49, 31, 25, 19, 16
Italian			
19.05–19.15 (Sport)		15400, 11810, 9570, 7290, 6010	49, 41, 31, 25, 19

Arabic			
19.15–19.40		15400, 11810, 9570, 7290, 6010	49, 41, 31, 25, 19
Italian			
20.20–20.40	I	9570, 6010	49, 31
Italian	X	11810, 9710, 9570,	
22.30–00.10		7270, 6010	49, 31, 25
Portuguese			
00.15–00.35 N.	XI	11810, 9710, 7270	49, 31, 25
English			
00.15–00.35 N.	X	9570, 6010	31, 25
Spanish			
00.35–00.55	XII	11810, 9710, 7270	49, 31, 25
French			
00.35–00.55 N.	XIII	9570, 6010	31, 25
Italian			
01.00–02.25	XIV	9780, 9710, 9570 7270, 6010	49, 31, 25
Spanish			
02.30–02.50 N.	XV	9780, 9710, 7270	49, 31, 25
English			
02.30–02.50	XIV	9570, 6010	31
Italian			
02.55–03.10 N.		9780, 9710, 9570, 7270, 6010	49, 31, 25

ANNOUNCEMENT in Italian: "Qui la Radio Italiana che vi parla da Roma, che transmette sulla lunghezza d'onda di... programma per ...", and in the languages of the countries to which the transmissions is dedicated.

INTERVAL-SIGNAL: Bird chriping. – VERIFICATION by QSL-card.

LUXEMBOURG

RADIO LUXEMBOURG (COMM. - PRIV.)

ADDRESS: Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg. Cable: "Radio Luxembourg".

LEADING PERSONALITIES: Pres.: E. Reuter. Gen. Man.: René-Louis Peulvey. Asst. Gen. Man.: M. Felten. Dir. Progr.: A. Dubois la Chartre. Dir. Music.: H. Pensis.

HOME SERVICE: R. Luxembourg I and II.

I	233 kc/s	1287 m	150 kW	–	6090 kc/s	49.26 m	50 kW
II	1439 –	208 –	150 –	–	15350 –	19.54 –	5 kW

LUXEMBOURG I (233 and 6090 kc/s): Mo. Wed.: 05.40–14.55. 15.30–23.00. Tues.: 05.40–14.55, 15.45–23.00. Thurs.: 05.40–15.15, 16.30–23.00. Fri.: 05.40–15.07, 15.42–23.00. Sat.: 05.40–23.00. Sun.: 06.00–23.00.

FRENCH:

N. and Commentary: W.: 05.40–05.50, 06.45–06.58, 08.00–08.01, 09.00–09.01, 10.00–10.01 (exc. Thurs.), 11.00–11.01, 12.00–12.12, 13.00–13.01 (exc. Thurs.), 13.15–13.16 (Thurs.), 14.00–14.01 (exc. Thurs.), 14.15–14.16 (Thurs.), 17.00–17.01, 18.15–18.34 (exc. Thurs.), 18.15–18.32 (Thurs.), 19.45–19.46 (Fri.), 20.00–20.01 (Tues., Wed., Thurs., Sat.), 20.01–20.02 (Mo.), 21.00–21.01 (Tues., Thurs., Fri., Sat.), 21.01–21.02 (Wed.), 22.00–22.01. – **Sun.:** 06.00–06.10, 07.00–07.14, 08.00–08.01, 09.00–09.01, 12.00–12.11, 13.00–13.01, 18.15–18.34, 19.43–19.44. **Weatherrep.:** W.: 06.16–06.17, 19.30–19.31 (Thurs.), 19.46–19.47 (Fri.), 20.00–20.01 (Mo.), 20.01–20.02 (Tues., Sat.), 20.11–20.12 (Wed.), Sun.: 19.44–19.45. – **Time-Sig.:** W.: 05.50, 06.58, 12.12, 18.32. Sun.: 06.10, 07.14, 12.05, 18.23. – **Religious Progr.:** Sun.: 07.30–07.45 (Cath.), Mo., Tues.: 10.45–11.00. Wed.: 15.45–16.00, Thurs.: 09.30–10.30 (Catholic Mass), 14.45–15.00, Fri.: 15.30–15.45, Sat.: 16.00–16.30. – **Request Progr.:** Sun.: 09.15–10.15, Sat.: 21.00–22.00 (Luxembourgian). – **Sport:** Sun.: 14.00–16.34, 17.08–17.18, 18.08–18.10. W.: 18.08–18.10, 18.59–19.00, Wed.: 20.42–21.01.

RELIGIOUS PROGRAMMES in Foreign Languages:
English: Mo., Wed.: 16.00–16.30, Tues.: 15.45–16.30, Fri.: 16.15–16.30. – **Flemish:** Tues.: 15.30–15.45, Thurs.: 15.00–15.15, Fri.: 15.45–16.00. – **German:** Wed., Sat.: 10.45–11.00. **Polish:** Fri.: 10.15–10.30. – **Slovak:** Fri.: 10.30–11.00. **Russian:** Mo. 15.45–16.00.

LUXEMBOURG II (1439 kc/s):

FLEMISH: D.: 05.45 (Sun. 06.00)–10.00, 11.00–13.00 (also on 15350 kc/s).

N. and Commentary: W.: 05.45–05.50. D.: 06.45–06.55, 08.00–08.01, 09.00–09.01, 10.00–10.01, 11.50–12.00, 13.00–13.01. – **Weatherrep.:** W.: 06.14–06.15, 11.59–12.00. – **Time-Sig.:** W.: 05.50, 06.55. – **Request Progr.:** W.: 05.50–06.15, 06.22–06.45, 09.01–10.00, 11.00–11.50, 12.00–13.00. Sun.: 06.00–06.15, 06.25–06.45. – **Mailbag:** Sun.: 12.30–13.00. 06.15–06.25, 07.00–07.15.

LUXEMBOURGIAN: D.: 17.00–18.00.

N. and Commentary: W.: 17.30–17.45. – **Weatherrep.:** W.: 17.58–17.59, 17.59–18.00 (French). – **National Music:** Sun.: 17.30–17.55, Tues.: 17.45–17.58, Sat.: 17.00–17.30. – **Request Progr.:** Sun.: 17.00–17.30, Wed.: 17.00–17.45. Thurs.: 18.00–18.30. – **Sport:** Sat., Sun.: 17.55–17.59.

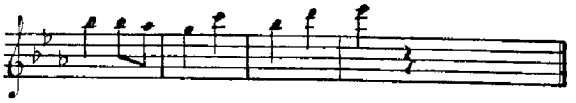
ENGLISH: D.: 18.00–23.00.

Time-Sig.: W.: 19.00. Sun.: 18.00, 19.00, 20.00, 21.00, 22.00. – **Religious Progr.:** Mo. 22.05–23.00, Tues., Wed., Fri., Sat.: 22.00–22.30. Thurs.: 22.00–23.00. – **Request Progr.:** W.: 18.00–19.00.

LUXEMBOURG II (15350 kc/s): Sun., Thurs., Sat.: 11.00–13.00, Mo., Tues., Wed., Fri.: 11.00–13.15. **Religious Progr.:** 13.00–13.15: In **Albanian** Mo., **Bulgarian** Tues., **Roumanian** Wed., **Yugoslavian** Fri.

ANNOUNCEMENTS: **French:** "Ici Radio Luxembourg". **English:** "Here Radio Luxembourg". **Flemish:** "Hier is Radio Luxembourg". **German:** "Hier ist Radio Luxemburg".

INTERVAL-SIGNAL: Melody played on piano: A Luxembourgian popular song.



VERIFICATION by QSL-letter. Return postage not required.

MADEIRA ISLANDS

R. CLUBE DE MADEIRA: CSB90 1484 kc/s 202 m 1 kW.

RADIOFUSAO DE FUNCHAL: CSB91 1594 kc/s 188.2 m 0.5 kW.

MALTA

BROADCAST RELAY SCE. LTD. (Wired Broadcasting. Pr.)

ADDRESS: 121 Britannia Str., Valetta. Cable: Rediffusion Malta.

LEADING PERSONALITIES: Gen. Man.: E. Hamilton-Hill. Ass. Gen. Man.: G. A. Slater. Dir. Progr.: J. Colley. Comm. Man.: L. A. P. Bonello. Dir. Tec.: F. Hague. – D. Progr.: 06.00–23.00 BBC Gen. Overseas Sce., locally originated progr., relays from Italy. – Future Plans: Extension to the Island of Gozo 1955.

MONACO

RADIO MONTE-CARLO (COMM.-PRIV.)

ADDRESS: 16, Boulevard Princesse Charlotte, Monte Carlo. Cable: "Radiocarlo".

LEADING PERSONALITIES: President of Adm. Council: M. Cesar Solamito. Dir. Gen.: Robert Schick. Comm. Director: R. H. Dogor. Dir. Tec.: M. Fromaget. Dir. of Progr.: F. Fels. Dir. Adm.: Fr. de la Panouse. Chief of Information: Ph. Fontana.

Stations: "Radio Monte Carlo": 05.57–08.25, 11.00–22.30 (Fri. 23.00).
3AM2 1466 kc/s 205 m 120 kW 3AM4 7349 kc/s 40.82 m 30 kW
3AM3 6035 – 49.71 – 30 –

HOME SERVICE in French on all frequencies:
W. 05.47–08.30, 11.00–22.30. Sun. 05.57–22.30.
N.: 06.00, 07.00, 08.00, 11.00, 12.00, 18.00, 21.00, 22.00. **Weatherrep.:** After each newscast. – **Time-Sig.:** 06.05, 06.54, 08.10, 12.05, 13.00, 18.10, 19.00, 21.05, 22.05.

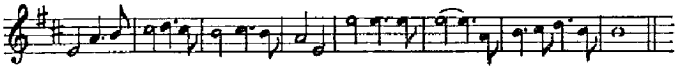
FOREIGN SERVICE in English, Italian, Spanish on all frequencies:
English:
Sun. 22.05–22.30: **"Italian Intermezzo".** – Wed. 22.05–23.05: **"Baltimore Gospel Tabernacle Program"** – **Back to the Bible:** Fri. 22.30

Italian:
Mo. 08.10–08.25: **"Frank & Ernest"** Wed. 17.05–17.20: **"Cristo per tutte le nazioni"**, Wed. 08.10–08.30: **"Radio Réveil".** Fri. 08.10–08.25: **"La Voix de l'Espérance".**

Spanish: 22.10–22.25: "Radio Réveil".

ANNOUNCEMENT: "Ici Monte Carlo", longueurs d'ondes: 205 m en ondes moyennes et 49 m. 71 et 40 m. 82 en ondes courtes. Bonjour Mesdames, Bonjour Mesdemoiselles, Bonjour Messieurs nos émissions commencent, en voici le programme..."

INTERVAL-SIGNAL: Before and after every transmission period 06.00, 11.00 and 18.00 "L'Hymne Monégasque" is played.



VERIFICATION by QSL-card and letter.

NORWAY

NORSK RIKSKRINGKASTING (GOVT.)

A non-commercial enterprise operated by an independent organization.

ADDRESS: Suhmsgate 23, Oslo. **Cable:** Studio, Oslo.

LEADING PERSONALITIES: Dir.: K. Fostervoll. Dir.: Progr. Th. Diesen. Dir. Adm.: K. Tvedt. Dir. Tec.: Chr. Vibe. Chief Secr.: O. Lid. Studio-Controller: A. Klæbo. Progr. Editors: Toralv Øksnevad, Carl C. Lyche, Fr. Chr. Wildhagen, L. Rustad. Dir. Music: H. Kramm. Dir. Plays: H. Heiberg. Editor "Programbladet": E. Strand. Dir. Shortwave Progr.: Gunnar Nygaard.

HOME SERVICE in Norwegian: 05.45–08.00(Sat. 08.20), 10.20–13.00, 15.30 (Sat. 15.00)–22.00. Sun. 07.15–14.45, 15.00–22.15.

	kc/s	m	kW		kc/s	m	kW
Alta	1115	269	0.25	Mosjöen	1484	202	0.025
Arendal	1115	269	0.25	Namsos	1115	269	1
Bergen I	890	337	20	Narvik	1466	205	1
Bergen II	1115	269	1	Notodden	1115	269	1
Bodö	674	445	10	Odda	1466	205	0.25
Brönnöysund	1484	202	0.25	Oslo	218	1376	200
Finnmark	701	428	20	Porsgrunn	1466	205	1
Fredrikstad	1578	190	10	Rjukan	1484	202	0.25
Geilo	1466	205	0.25	Röros	1115	269	0.25
Hamar	520	577	1	Sandnessjöen	1466	205	0.25
Kristianssand	890	337	20	Stavanger	1313	228	100
Langerak*)	520	577	0.25	Sulitjelma*)	520	577	0.025
Lista	1115	269	0.3	Svalbard	1466	205	0.25
Mo i Rana	1115	269	0.25	Tromsö	155	1935	10
				Tröndelag	890	337	20
				Vigra	629	477	100

*) Rediffusion.

FM: Hangurtoppen (Voss) 93.3 mc/s, Lyheia (Lyngdal) 97,6 mc/s: Relay Home Service Exper.

N.: 07.00 (W.), 08.00 (S.), 12.00, 18.05, 21.10. – **Weatherrep.:** 05.45 (W.), 07.00 (W.), 08.00 (S.), 12.00, 18.00, 21.00.

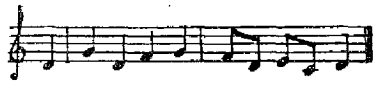
Bergen II Local: W.: 11.00–11.30. D.: 16.00–17.30.

Bodö, Tromsö, Vadsö Local: Tues. 13.00–13.10. Wed., Thurs., Sat. 13.00–13.15.

Tromsö in Samisk on 155 and 7210 kc/s. Tues., Fri. 13.10–13.25.

ANNOUNCEMENT: "Dette er Norsk Rikskringkasting". **In Samisk:** "Dat la Norga Rikaradio, Tromsast. Di gullabetet Samgial programa".

INTERVAL-SIGNAL:



FOR NORWEGIAN SEAMEN in the N. Atlantic and the N. Sea: Tromsø s.w. relay Home Service: W.: 05.45–08.00(Sat. 08.20), 10.20–13.00. Sun.: 07.15–14.45 on 9550kc/s. – W.: 15.30–22.00. Sun.: 15.15–22.15 on 7210 kc/s.

FOREIGN SERVICE:

Frequencies (5/10/100 kW) that may be used during the year:

Call	kc/s	m	Loc.	Call.	kc/s	m	Loc.
LKF	1578	190.1	F	LKQ	11735	25.56	F
LKJ	6130	48.94	T	LLK	11850	25.32	F
LLI	6185	48.50	T	LKV	15170	19.78	F
LLS	7210	41.61	T	LLM	15175	19.77	F
LLR	7240	41.44	T	LKW	17755	16.90	F
LKJ2	9540	31.45	T	LLN	17825	16.83	F
LLD	9550	31.41	T	LLP	21670	13.85	O
LLG	9610	31.22	F	LLQ	21730	13.81	O
LLH	9645	31.10	F				

(F = Fredrikstad. T = Tromsö. O = Oslo).

To Europe, Africa, Antarctic:		
W. 06.30–07.35	Home Service	7210, 9610, 11735
Sun. 07.15–09.55	– –	7210, 9610, 11735
D. 18.00–22.00	– –	6130, 7240, 9610.
To Africa, Antarctic:		
D. 11.00–12.20	For Norwegians abroad	21670
D. 13.00–14.00	– – –	21670
Sun. 14.00–14.20	"Norway this week"	21670
For Mediterranean, Africa Waters, N. and M. Atlantic:		
D. 16.00–17.00	For Norwegians abroad	11735, 15175, 17825
Sat. 17.00–18.00	Home Service	11735, 15175, 17825
Sun. 17.00–17.20	"Norway this week"	11735, 15175, 17825
To Far East, Japan, E. Australia, New Zealand:		
D. 11.00–12.00	For Norwegians abroad	11735, 15175, 17825
W. 12.00–12.20	Home Service	11735, 15175, 17825
Sun. 12.00–12.20	"Norway this week"	11735, 15175, 17825
To Indian Ocean, W. Australia:		
D. 13.00–14.00	For Norwegians abroad	11735, 15175, 17825
Sun. 14.00–14.20	"Norway this week"	11735, 15175, 17825
To S. America:		
D. 23.00–24.00	For Norwegians abroad	6130, 7210, 9610, 1578
Mo. 00.00–00.20	"Norway this week"	6130, 7210, 9610, 1578
To N. America:		
D. 01.00–02.00	For Norwegians abroad	6130, 7210, 9610, 1578
Mo. 02.00–02.20	"Norway this week"	6130, 7210, 9610, 1578
To N. America, Pacific, S. Africa:		
D. 04.00–05.00	For Norwegians abroad	6130, 7210, 9610, 1578
Mo. 05.00–05.20	"Norway this week"	6130, 7210, 9610, 1578
To N.- & Mid-Atlantic:		
W. 10.25–10.35	Weather at Sea *)	9610, 11850
D. 22.55–23.00	– – – *)	6130, 7210, 9610, 1578
D. 00.55–01.00	– – – *)	6130, 7210, 9610, 1578

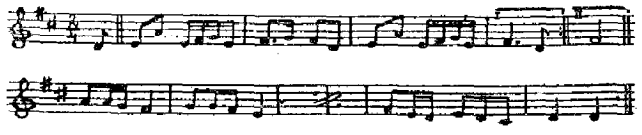
*) In Norwegian only.

Progr. for Norwegians abroad: Sun. Religious Sce. Parliament N., Local N. – Mo. Sport N., Local N. – Tues. Answers to letters from listeners. Local N. – Wed. Request Progr. (music), Local N. – Thurs. World N., Local N. – Fri. Missionary N., Local N. – Sat. Letter Box, Local N.

Tromsö Short Wave Transmitter broadcasts daily the entire Home Sce. Progr.: In the morning on 9550 kc/s before and on 7210 kc/s after 15.00.

ANNOUNCEMENT: "This is R. Norway with its short wave service for Norwegians abroad".

INTERVAL-SIGNAL: Every s.w. transmission to Norwegians abroad is introduced by a Norwegian folkmelody from Hallingdal.



Message to our English-speaking audience: In our daily special programmes for Norwegians abroad we will usually have a section of Norwegian music or music presented by Norwegian artists. This musical section, which lasts 15 to 20 minutes, is introduced in English as well as in Norwegian. On Wednesdays and Saturdays you can listen to our **"Letter Box Programme"**, in which we play our listener's request records. We often receive letters from listeners in Norway with request to play a record with a greeting to one of their relatives abroad, but we regret to be unable to comply with these requests.
Every Sunday we have an additional programme in English, "Norway this week", in which we try to present Norway in different ways through music and feature programmes. We are very grateful for comments on our transmissions. Reports are answered by QSL-card. Return postage is not necessary. Our postal address is: RADIO NORWAY, Oslo, Norway.

POLAND

POLSKIE RADIO (Govt.)

ADDRESS: Komitet do Spraw Radiofonii "Polskie Radio", ul. Noakowskiego 20, Warsaw. **Cable:** "Polskie Radio".

LEADING PERSONALITY: Pres.: T. Galinski.

HOME SERVICE:

PROGRAMME I (Central Programme):
Warzawa I 227 kc/s 1322 m 200 kW.
W.: 04.00–12.00, 14.25–22.05(Sat. 22.40). Sun.: 04.50–11.04, 12.04–22.40.
N.: W.: 04.05, 05.00, 06.40, 11.04, 15.00, 19.00, 22.00. Sun.: 05.00, 06.00, 15.00, 19.00, 22.00.
Weatherrep.: W.: 05.00, 06.00, 06.38, 19.00. Sun.: 05.58, 19.00.

PROGRAMME II (National Programme):
W.: 04.25–06.45, 12.05–23.00. Sun. 05.30–23.00.

	kc/s	m	kW		kc/s	m	kW
Warszawa II	818	367.0	50	Bydgoszcz	1367	219.5	24
Stalinograd	1079	278.0	50	Wroclaw	1367	219.5	50
Poznan	1205	249.0		Gdansk	1484	202.2	
Szczecin	1259	238.3	100	Kracow	1502	199.7	
Lodz	1304	230.0					

N.: W. 05.00, 06.00, 06.40, 13.00, 17.15, 20.30, 22.55. Sun. 05.40, 07.00, 16.00, 20.30, 22.55. –
Weatherrep.: W. 05.00, 06.00, 06.38, 20.30. Sun. 07.00, 20.30.

FOREIGN SERVICE

Stations: Warsaw (227 kc/s=200 kW, 818 kc/s=100 kW, s.w.= 7.5/100 kW).

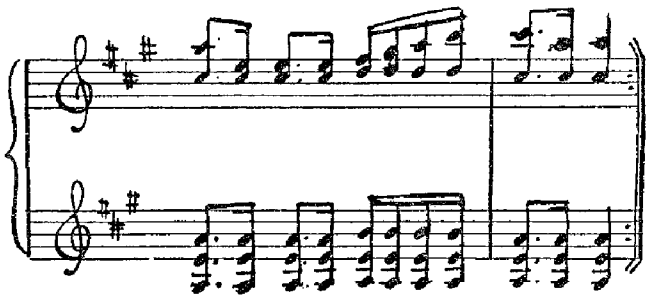
227 kc/s	1322 m	6195 kc/s	48.43 m	9555 kc/s	31.40 m
737 –	407.1 –	7125 –	42.11 –	9570 –	31.35 –
5955 –	50.38 –	7145 –	41.99 –	9600 –	31.25 –
5975 –	50.21 –	7175 –	41.81 –	9615 –	31.20 –
5995 –	50.04 –	7205 –	41.64 –	11740 –	25.55 –
6025 –	49.79 –	7255 –	41.36 –	11945 –	25.12 –
6115 –	49 06 –.				

EUROPEAN SERVICE:	October/April m.b.	May/September m.b.
Danish:		
05.30–06.00	49–41–407	49–41–31–407
20.30–21.00	49–41	49–41–31
21.30–22.00	407	407
English:		
06.30–07.00	49–41–31–407	49–41–31–407
17.00–17.30	49–41	49–41–31
19.00–19.30	49–41	49–41–31
19.30–20.00	49–41–407	49–41–31–407
20.00–20.30	49–41	49–41–31
22.00–22.30	407	407
22.30–23.00	49–41	49–41–31
Finnish:		
04.00–04.30	49–41–407	49–41–31–407
16.00–16.30	49–41–407	41–31–407
17.30–18.00	49–41	49–41–31
French:		
05.00–05.30	49–41–31	49–41–31
06.00–06.30	49–41–31	49–41–31
11.45–12.00	31	31
13.45–14.15	41–31	41–31
17.00–17.30	49–41	41–31
17.30–18.00	49–41–407	49–41–31–407
20.00–20.30	407	407
20.30–21.00	49–41	49–41–31
22.00–22.30	49–41	49–41–31
German:		
04.30–04.55	49–41–31	49–41–31
05.00–05.30	49–41–407	49–41–31–407
17.00–17.30	49–41–407	41–31–407
18.30–19.00	49–41–407	49–41–31–407
19.30–20.00	49–41	49–41–31
21.00–21.30	49–41	49–41–31
22.45–23.15 (Mo.–Fri.)	1322	1322
23.15–23.45 (Sat., Sun)	1322	1322
Greek:		
03.30–04.00	407	407
04.00–04.30	49–41–31	49–41–31
11.30–12.00	31	31
13.00–13.30	41–31	41–31–25
14.30–15.00	49–41	49–41–31
15.30–16.00	49–41–407	41–31–407
18.00–18.30	49–41	49–41–31
22.30–23.00	49–41	49–41–31
Italian:		
14.00–14.30	41–31	41–25
18.00–18.30	49–41–407	49–41–31–497
22.00–22.30	49–41	49–41–31
22.30–23.00	407	407
Macedonian:		
10.15–10.45	41–31	41–31–25
15.00–15.30	49–41	49–41–31
20.00–20.30	49–41	49–41–31
Polish:		
05.30–06.00	49–41–31	49–41–31
16.30–17.00	49–41–407	49–31–407
18.00–18.30	49–41	49–41–31
19.00–19.30	49–41	49–41–31
20.30–21.00	407	407
Russian:		
11.15–11.45	41–31	41–31–25
Serbo-Croatian:		
04.30–05.00	49–41–407	49–41–31–407
10.45–11.15	41–31	41–31–25
12.30–13.00	41–31	41–31–25
15.00–15.30	49–41	41–31
16.00–16.30	49–41	41–31
16.30–17.00	49–41	41–31
20.00–20.30	49–41	49–41–31
21.00–21.30	49–41–407	49–41–31–407
00.00–00.30	407	407
Spanish:		
13.30–14.00	41–31	41–25
18.30–19.00	49–41	49–41–31
20.30–21.00	49–41	49–41–31
21.00–21.30	49–41	49–41–31
23.00–24.00	407	407
Swedish:		
06.00–06.30	49–41–407	49–41–31–407
17.30–18.00	49–41	41–31
19.00–19.30	49–41–407	49–41–31–407
22.15–22.45 (Mo.–Fri.)	1322	1322
22.45–23.15 (Sat., Sun.)	1322	1322
Yiddish:		
21.30–21.55	49–41	49–41–31
NORTH AMERICAN SERVICE		
English:		
11.00–11.30 Sun. Concert	31	25
12.15–13.15	25	25
22.15–22.45 Polish Life.	49	31
00.45–01.15 Youth Pr. Wed.	49	41
04.15–04.45	49	41
05.30–06.00	49	41
Polish:		
21.45–22.15	49	31
04.45–05.15	49	41
Yiddish:		
05.15–05.30	49	41

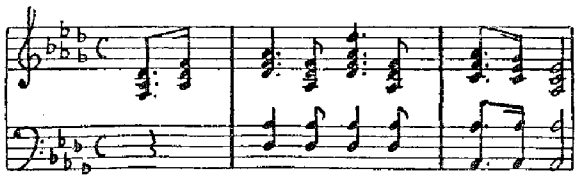
ANNOUNCEMENT: In Polish: "Mowi Warszawa". In French: "Ici Varsovie". In English: "This is Warsaw calling". The same in the other language-broadcasts.

INTERVAL-SIGNAL: Warsaw National.

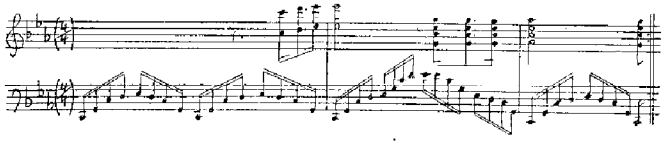
Warsaw I.



Warsaw II: First movement of Polonaise in A flat major by Chopin.



Foreign Service:
Revolutionary Etude by Chopin.



VERIFICATION by QSL-card. Return postage not required.

PORTUGAL

EMISORA NACIONAL DE RADIODIFUSAO (Govt.)

ADDRESS: Rua do Quelhas, 2, Lisboa. Cable: "Emissora Lisboa".

LEADING PERSONALITIES: President: Sr. Antonio d'Eça de Queiroz. Dir. Tec.: Sr. Manuel Bivar. Dir. Adm.: Sr. Armando Stichini Villela. Dir. Production: Sr. José Luiz da Silva Dias. Dir. Transmitting Dept.: Sr. Fernando da Cuna de Eça. Dir. Studios Dept.: Sr. Henrique Leotte Tavares. Dir. License Dept.: Sr. José do Carmo Carrilho.

During summer (1st Sunday of April to 1st Sunday of October) the Home Service is advanced one hour according to "local summertime". The Overseas Service continues on GMT.

Portugal

HOME SERVICE in Portuguese:

Stations	kc/s	m	kW	Stations	kc/s	m	kW
Lisboa I	665	451	50	Açores (Reg.)	4865	61.66	1
Lisboa II	719	417	15	Lisboa**	6373	47.07	10
Porto I	755	397	10	Lisboa**	11915	25.18	10
Guarda	1061	283	1	Açores (Reg.)	11925	25.15	1
Faro	1358	221	1	Lisboa FM*)	94.3 mc/s		1
Coimbra	1367	219	1				
Porto II	1562	192	1				

*) Experimental. **) Atlantico.

LISBOA I: W.: 07.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 07.30–24.00.

N.: D.: 08.00, 09.00, 13.00, 19.00, 21.00, 23.50. – **Religious Progr.:** Sun. 11.30–12.30. Thurs. 22.15. – **Portuguese Music:** Sun. 20.30, Tues.: 09.45, 12.00, 18.45, 23.00. Wed. 20.50. – **Mailbag:** Mo. 09.30, Tues. 08.30. Thurs. 09.30. – **Weatherrep.:** 09.55(W.), 10.55(Sun.). 14.55(W.), 23.50. – **Progr. Preview:** 07.30(D.), 09.55(W.), 11.00(Sun.). 12.00(W.), 13.45(Sun.), 14.55(W.), 18.00(W.), 23.50(D.). – **Time Sig.:** 07.30(D.), 08.00(W.), 09.00(D.), 10.00(W.), 12.00(W.), 13.00(D.), 15.00(W.), 18.00(W.), 19.00(Sun.), 21.00(D.), 24.00(D.).

LISBOA II: D.: 19.00–20.00 & 21.00–24.00 (During footballseason, September to July: Sun. 15.00–24.00). –

N.: 13.45(Sun.), 19.00(W.). – **Request Progr.:** Sun. 22.50. Sat. 23.00.

PORTO I and PORTO II (Norte Nacional): W.: 08.00–10.00, 12.00–15.00, 18.00–24.00.

COIMBRA: W.: 08.30–10.00, 12.00–15.00, 18.00–24.00. Sun. 11.00–24.00.

FARO: W.: 12.00–14.00, 18.30–24.00. Sun. 11.00–24.00.

GUARDA: W.: 12.00–14.00, 18.30–24.00. Sun. 11.00–24.00.

ATLANTICO: W.: 12.00–15.00. Sun. 11.00–17.15 in 25 & 19 m.b. W.: 18.00–24.00. Sun. 17.30–24.00 in 47 m.b.

ACORES REGIONAL: 20.00–21.00 in 25 m. b. 21.15–24.00 in 62 m.b.

ANNOUNCEMENT: "Estudios de Lisboa de Emissora Nacional Estimados ouvintes, muito bom-dia (boa tarda ou boa noite)".

INTERVAL-SIGNAL: Bells and Nacional Anthem.

VERIFICATION by QSL-card.

OVERSEAS SERVICE in Portuguese from Lisboa:

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
6025	49.79	100	9765	30.72	100	15150	19.80	100
6185	48.50	100	9775	30.69	100	15160	19.79	100
6360	47.16	100	11720	25.60	100	15320	19.59	100
6373	47.09	100	11840	25.34	100	15355	19.54	100
7018	42.75	100	11875	25.26	100	15380	19.50	100
7049	42.56	100	11895	25.22	100	17740	16.92	50
7130	42.07	100	11915	25.18	100	17870	16.79	50
7225	41.52	100	11925	25.15	100	17880	16.78	50
7260	41.32	100	11930	25.15	100	17890	16.77	50
7265	41.30	100	11935	25.14	100	17895	16.76	50
9635	31.14	100	11958	25.09	100	21495	13.95	50
9645	31.10	100	11964	25.07	100	21660	13.85	50
9650	31.09	100	11995	25.01	100	21690	13.83	50
9670	31.02	100	15050	19.93	100	21700	13.83	50
9680	30.99	100	15100	19.87	100	25650	11.70	50
9727	30.84	100	15110	19.85	100	25665	11.69	50
9740	30.80	100	15120	19.84	100	25700	11.6	50
9746	30.78	100	15125	19.83	100			

Remark: Powers indicated are the powers at carrier level.
I=to Portuguese E. and W. Africa (S. Tomé, Angola, Mozambique). II=to Portuguese Far East (Macau & Timor). III=to Portuguese India (Gôa, Damão & Dieu). IV=to S. Atlantic (Brazil, Cape Verde & Guiné). V=to N. Atlantic (Portuguese Fishing Fleet) & USA.

Hours	Service	Oct./March m.b.	April/Sept. m.b.
11.00–13.00	II	30, 25, 19	30, 25, 19
13.15–17.00	III	30, 25, 19	30, 25, 19
17.30–20.30	I	30, 25, 19	25, 19, 13
21.00–23.30	IV	30, 25	25, 19
00.00–02.00	V	50, 30, 27	50, 30, 27

N.: 12.00(W.), 16.00(W.), 17.35(W.), 20.15, 21.05 (for Guinea, Cape Verde), 23.15(W.) (for Brazil), 01.00 (not Mo.).

ANNOUNCEMENT: "Aqui Lisboa, Serviço Ultramarino da Emissora Nacional a transmitir para... Estimados ouvintes, muito bom dia (boa tarde ou boa noite)".

INTERVAL-SIGNAL: Time signal and Nacional Anthem.

VERIFICATION by QSL-card.

Deutsche Welle: Horst. A. C. Krieger, Editor of DX-Programme

RADIO RENASCENÇA (Religious Catholic)

ADDRESS: Emissora Catolica Portuguesa, Rua Capelo 5, Lisboa.

LEADING PERSONALITIES: Dir.: M. L. da Cruz. Cooperators: Father D. de Oliveira Costa Maia and Father W. Leal.

HOME SERVICE in Portuguese: 12.00–15.00, 18.30–24.00 (Sun. 11.15–24.00).

Lisboa	1286 kc/s	233	m	2 kW	–	6154 kc/s	48.74 m	7 kW
Porto	1169 –	256.6	–	6	–			

N.: 13.45–14.00, 20.30–20.40, 22.45–22.55. – **Weatherrep.:** After News at 22.45. – **Time Sig.:** 13.00, 21.00. – **Religious Progr.:** D. 18.30–19.00. From May to October in the dates 12 and 13 are broadcast in different languages a religious ceremony from 23.00–01.00 and 11.00–13.00. Sun.: 11.30–12.15, 18.30–19.45. Mo., Thurs. 22.00–22.15. – **Portuguese Music:** 12.20–12.40, 20.40–20.55, 23.20–23.49. – **Request Progr.:** Thurs. 14.15–15.00, Sun. 23.00–23.45. – **Mailbag:** Fri. 21.15–22.15.

ANNOUNCEMENT: Portuguese: "Aqui Radio Renascença-Emissora Catolica Portuguesa". English: "This is the Portuguese Roman Catholic Broadcasting System".

INTERVAL-SIGNAL: 2 and 3 chimes. Progr.'s open with a religious choir.

RADIO CLUB PORTUGUÈS (Comm.-Priv.)

ADDRESS: Radio Club Portugues. Parede. Cable: "Radioclub".

LEADING PERSONALITIES: General Manager: A. Lima Basto. Programme Director: Alvaro Jorge. Technical Director: Eng. Manuel Menezes.

HOME SERVICE in Portuguese:

	kc/s	m	kW		
	782	383.6	100	under construction	
CSB2	1034	290.1	20	wi. 07.00–01.00	su. 06.00–24.00
CSB51	6080	49.34	1	wi. 07.00–01.00	su. 06.00–24.00
CSB54	21580	13.90	10	under construction	
CSB2FM	90.2 mc/s	3.30	1 kW	wi. 07.00–01.00	su. 06.00–24.00

wi.=winter. su.=summer.

N.: 09.30, 13.30, 20.00, 00.45.

ANNOUNCEMENT: "Aqui Radio Club Portugues a trabalhar com as suas estacoes de onda media CSB2 e/ou onda curta nos 49 metros CSB51 a estacao frequencia modulada nos. 90.2 mc/s.

INTERVAL-SIGNAL: Gong.

VERIFICATION by QSL-card.

FUTURE PLANS: A new 100 kW at Espinho to be put into service at the end of this year. A second FM station and a television station to be installed at Lisboa.

RADIO UNIVERSIDADE (Cultural-Ministerio da Educaçao)

ADDRESS: Praca das Flores, 51, Lisboa.

LEADING PERSONALITIES: Dir.: Dr. Adolfo Oliveira Cabral. Dir. Adm.: Dr. Jose Maria Conçalves Pereira. Dir. Tec.: Engineer José Miguel Dias. Chief Service: Sr. Helder Santos.

Horst A.C. Krieger Deutsche Welle Portugal

HOME SERVICE in Portuguese:
719 kc/s 418 m 20 kW. W. 18.00–18.55. N.: 18.50.

ANNOUNCEMENT: "Radio Universidade, estudios do Centro Universitário de Lisboa da Mocidade Portuguesa, a transmitir por intermédio da Estaçao Lisboa 2 da Emissora Nacional".

INTERVAL-SIGNAL: Opens and closes with March of "Mocidade Portuguesa".

EMISSORES ASSOCIADOS DE LISBOA: 1594 kc/s 188 m 1 kW.
R. Peninsular – R. Graça – Voz de Lisboa – Clube Radiofonico – R. Restauraçao.

EMISSORES REUNIDOS DO NORTE: 1223 kc/s 245.2 m 1 kW.
Electro Mecanico. – O.R.S.E.C. – Ideal Radio. – E.N.R. – R. Porto. – R. C. do Norte. – A.T.N.P.

RUMANIA

RADIODIFUZIUNEA ROMÎNA (Govt.)

ADDRESS: Radiodifuziunea Romîna, Bucuresti, str. A. St. Popov Nr. 62, Republica Populara, Romîna.

HOME SERVICE

1st PROGRAMME:

	kc/s	m	kW	
Romania I	155	1935	150	D. 04.00–22.00.
Timisoara II	755	397	50	W. 04.50–16.00. – Sun. 04.00–12.00. 13.00–15.30.
Craiova	1457	206	20	W. 12.30–16.00, 17.00–22.00. – Sun. 04.00–07.30, 08.00–22.00.
Bucuresti II	1052	285	5	D. 04.00–12.30.

N.: W. 04.00, 05.30, 13.30, 15.30, 20.30. – Sun. 04.30, 11.00, 20.30

2nd PROGRAMME:

	kc/s	m	kW	
Bucuresti II	1052	285	5	W. 12.30–23.00. – Sun. 06.00–23.00.
Bucuresti I	854	351	150	W. 12.30–23.00. – Sun. 06.00–23.00.
Cluj	1151	261	20	W. 12.30–14.00, 15.00–16.00, 18.00–23.00. Sun. 07.30–12.00, 13.00–23.00.

N.: W. 13.00, 14.00, 21.00, 23.45. – Sun. 06.30, 11.50, 13.00, 22.00.

PROGR. IN FOREIGN LANGUAGES:
Hungarian on 755, 1151 kc/s: W. 04.15–04.30, 16.30–17.00. – Sun. 12.00–13.00.
German:
On 755 kc/s: W. 04.40–04.50. Sun. 16.00–17.00. – On 755, 1151 kc/s: D. 16.00–16.30.
Serbian on 755 kc/s: W. 04.30–04.40. – Sun. 15.30–16.00.

FOREIGN SERVICE

STATIONS:
5980 kc/s 50.17 m – 9254 kc/s 32.43 m – 6210 kc/s 48.31 m – 9570 kc/s 31.35 m.

EUROPEAN SERVICE:
English:
D.1930–20.00 on 5980, 6210, 9254, 9570 kc/s. On Sun. "Listeners Letter Box".
22.30–23.00 on 155, 6210, 9570 kc/s.
French:
D.18.00–18.30 on 6210, 9570 kc/s. On Sun. "Listeners Letter Box".
D.20.30–21.00 on 5980, 6210, 9254, 9570 kc/s.
D.22.00–22.30 on 6210, 9570 kc/s.
German:
D.18.00–18.30 on 755, 5980, 9254 kc/s. On Sat. "Listeners Letter Box".
D.19.00–19.30 on 6210, 9570 kc/s. On Sat. "Listeners Letter Box".
D.21.00–21.30 on 5980, 6210, 9254, 9570 kc/s. On Mo. "Listeners Letter Box".
D.22.00–22.30 on 155, 5980, 9254 kc/s. On Mo. "Listeners Letter Box".
Greek:
D.17.00–17.30 on 6210, 9570 kc/s.
D.1830–19.00 on 755, 5980, 9224 kc/s.
D.21.30–22.00 on 5980, 9254 kc/s.
Yiddish:
D.18.30–19.00 on 6210, 9570 kc/s.
Italian:
D.17.30–18.00 on 755, 5980, 6210, 9254, 9570 kc/s.
D.20.00–20.30 on 5980, 6210, 9254, 9570 kc/s On Wed. "Listeners Letter Box".
D.22.00–22.30 on 755 kc/s.
Russian:
D.16.30–17.00 on 5980, 9254 kc/s.
Serbian:
D.17.00–17.30 on 755, 5980, 9254 kc/s. – 19.30–20.00 on 755 kc/s.

NORTH AMERICAN SERVICE:
English:
D.03.00–03.30 on 6210, 9570 kc/s. On Sun. "Listeners Letter Box".
D.04.30–05.00 on 6210, 9570 kc/s.
Rumanian:
D.23.15–23.45 on 6210 kc/s. – D.03.30–04.00 on 6210, 9570 kc/s.

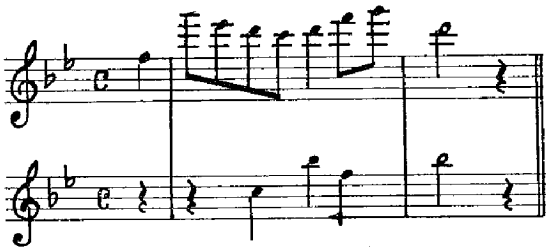
MUSICAL PROGRAMMES FOR LISTENERS ABROAD (incl. Listeners requests).
D.23.45–24.00 on 6210 kc/s. Announcement in **Rumanian.**
D.04.00–04.30 on 6210, 9570 kc/s. Announcements in **Rumanian** and **English.**
D.16.00–17.00 on 6210, 9570 kc/s. Announcements in **English** and **French.**
D.21.30–22.00 on 6210, 9570 kc/s. Tues., Fri., Sun. with announcements in **English.** – Mo., Wed., Thurs., Sat. with announcement in **French.**
D.22.30–23.00 on 755, 5980, 6210 kc/s. Tues., Fri., Sun. with announcement in **Italian.** – Mo., Wed., Thurs., Sat. with announcement in German.

SPORT FOR LISTENERS ABROAD ON MONDAYS:

English 19.30–20.00	**Italian** 17.30–18.00	**Serbian** 17.00–17.30
French 22.00–22.30	**Russian** 16.30–17.00	**Rumanian for N. Am.** 23.15–23.45,3.30–4.00
German 18.00–18.30		

ANNOUNCEMENTS: **English:** "This is Bucarest calling on the ... meters wavelengths". – **French:** "Ici Bucarest dans les bandes des ...". – **German:** "Hier Bukarest auf den Wellenlengen von ... mit der Sendung in deutscher Sprache". – **Italian:** "Qui Bucarest. E'Bucarest che parla su onde corte di metri ...".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or letter. No return postage required.

SAAR

RADIO SAARBRÜCKEN (G.m.b.H.-private)

ADDRESS: Wartburg, Martin Lutherstrasse 12. Saarbrücken.

LEADING PERSONALITIES: General Director: F. Billmann. Director: Müller. Dir.: Tech. Dipl. Ing. Glasow. Chief of Progr.: Dr. Friedberger. Chief of Production: C. A. Weiland.

HOME SERVICE in **German:**
1421 kc/s 211.1 m 20 kW 1st programme
96.0 mc/s (FM) 0.25 – 2nd programme

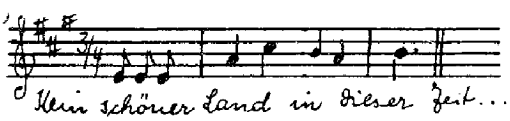
1st Programme: Mo.: 04.57–08.00, 10.00–13.30, 16.30–22.50. Tues.: 04.57–07.50, 09.45–13.30, 16.30–22.50. Wed.: 04.57–08.00, 10.00–22.50. Thurs. 04.57–08.05, 10.00–13.35, 16.30–22.50. Fri. 04.57–08.10, 10.00–13.30, 16.30–22.50. Sat. 04.57–07.50, 10.00–22.50. Sun. 04.57–22.50.

N.: 05.00, 06.00, 07.30, Sun. 11.00, W. 11.45, W. 13.00, W. 17.00, Sun. 19.00, 21.00, 22.45. Weatherrep.: After newscasts from 06.00.

2nd Programme (FM): W. 17.05–21.15 (Sat. 21.10). Sun. 07.15–11.00, 17.00–21.15.
News: Sun. 19.00, W. 18.30.

ANNOUNCEMENT: "Radio Saarbrücken". In **English:** "Radio Saarbrucken".

INTERVAL-SIGNAL: Folksong "Kein schöner Land in dieser Zeit"



VERIFICATION by QSL-card.

RADIO NACIONAL DE ESPANA

HABLA PARA EL MUNDO

En italiano: de las 18,05 a las 18,20 horas por 32,01 mts.

En alemán: de las 18,20 a las 18,40 horas por 32,01 mts.

En eslovaco y ucraniano: de las 18,40 a las 18,55 horas por 32,01 mts.

En francés: de las 19,20 a las 19,50 horas por 32,01 mts.

En rumano: de las 19,50 a las 20,05 horas por 32,01 mts.

En húngaro: de las 20,05 a las 20,20 horas por 32,01 mts.

En polaco: de las 20,20 a las 20,50 horas por 32,01 mts.

En ruso: de las 20,50 a las 21,15 horas por 32,01 mts.

En árabe: de las 18,55 a las 19,20 horas por 32,01 mts.

En portugués: de las 21,15 a las 21,45 horas por 32,01 mts.

En inglés: (para EE.UU. Costa Atlántica) de las 24,00 a las 0,40 horas por 32,01 mts.
(para EE.UU. Costa del Pacífico) de las 4,00 a las 4,45 horas por 32,01 mts.
(para Inglaterra) de las 21,15 a las 21,45 horas por 32,01 mts.

En español: (para América): de las 0,30 a las 4 horas por 32,01 mts.
(para Filipinas): de las 23,30 a las 23,50 horas por 32,01 mts.
(para la Marina Mercante): de las 16,50 a las 17,16 horas por 19,18 mts.
(para Guinea y Africa Occidental): de las 22,45 a las 23,15 horas por 19,18 mts.

Veintiocho servicios informativos, en trece idiomas, llevan asi a todos los paises LA VOZ DE ESPAÑA

RADIO NACIONAL DE ESPANA

SPEAKS TO THE WORLD

In Italian: From 18.05 to 18.20 on 32.01 m.

In German: From 18.20 to 18.40 on 32.01 m.

In Slovac and Ukranian: From 18.40 to 18.55 on 32.01 m.

In French: From 19.20 to 19.50 on 32.01 m.

In Rumanian: From 19.50 to 20.05 on 32.01 m.

In Hungarian: From 20.05 to 20.20 on 32.01 m.

In Polish: From 20.20 to 20.50 on 32.01 m.

In Russian: From 20.50 to 21.15 on 32.01 m.

In Arabian: From 18.55 to 19.20 on 32.01 m.

In Portuguese: From 21.15 to 21.45 on 32.01 m.

In English: (to USA Atlantic Coast): From 24.00 to 00.40 on 32.01 m.

(to USA Pacific Coast): From 04.00 to 04.45 on 32.01 m.

(to Gt. Britain): From 21.15 to 21.45 on 32.01 m.

In Spanish: (to America): From 00.30 to 04.00 on 32.01 m.
(to Philippines): From 23.30 to 23.50 on 32.01 m.
(to Merchant Ships): From 16.50 to 17.16 on 19.18 m.

(to Guinea and West Africa): From 22.45 to 23.15 on 19.18 m.

THE VOICE OF SPAIN brings twentyeight informatory broadcasts in thirteen languages to all countries.

SPAIN

RADIO NACIONAL DE ESPANA (Govt.)

ADDRESS: Castellana no. 42. Studios: Castellana no. 40 y Martinez de la Rosa no. 1, Madrid.

LEADING PERSONALITIES: Dir. Progr. and Transmissions: Sr. D. Jose-Ramon Alonso. Dir. Tec.: Sr. D. Francisco Moyano. Dir. Tec. for new transmitters: Sr. D. Ernesto F. Marrero. Chief of Studios: Sr. D. Maximo Estevez. Dir. Spanish Progr.: Sr. D. Victoriano F. de Asis. Dir. Foreign-Language Progr.: Sr. D. Luis de Andres. Dir. Music: Sr. D. Enrique Franco. Dir. Coordination: Sr. D. Anibal Arias. Dir. Department for lower frequencies: Sr. D. Fermin Mestre. Adm.: Sr. D. Enrique Frax.

HOME SERVICE in Spanish:

	kc/s	m	kW		kc/s	m	kW
Madrid-Arganda	585	513.7	150*)	Huelva	850	352.9	0.25
Madrid-Local	1025	292.5	5**)	Malaga	1000	300.0	5
Sevilla	638	470.5	5	Cuenca	1178	254.5	10
La Coruña	701	428	20	Valencia	1383	216.6	1
Barcelona	737	407	30	Malaga	6209	48.31	2.5

*) 2' Progr. **) 1' and 3' Progr.

FIRST PROGRAMME: On 1025 kc/s. 07.00–12.00.

SECOND PROGRAMME: On 585 kc/s. 12.00–24.00.

THIRD PROGRAMME: On 1025 kc/s. 21.30–23.30.

INTERVAL-SIGNAL: Campanitas. – Opening Tune: Cabalgata. Closes with National Anthem.

FOREIGN SERVICE

Madrid-Arganda:
I. 5590 kc 5370 m 40 kW – II. 9360 kc 32.04 m 50 kW
II. 15636 – 19.18 – 50 – – III. IV. V. VI: 6122, 6134, 7142, 9677, 12000, 15789, 18750 kc. 100 kW test transmissions.

EUROPEAN SERVICE:

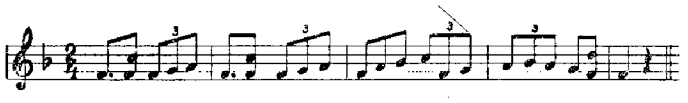
English:	20.15–20.45 on	9360 kc/s		
French:	18.20–18.50 –	9360	–	
German:	17.20–17.40 –	9360	–	
Hungarian:	19.05–19.20 –	9360	–	
Italian:	17.05–17.20 –	9360	–	
Polish:	19.20–19.50 –	9360	–	
Rumanian:	18.50–19.05 –	9360	–	
Russian:	19.50–20.15 –	9360	–	
Slovak:	17.40–17.55 –	9360	–	Mo., Wed., Fri., Sun.
Spanish:	15.50–16.20 –	15636	–	Merchant Service
	16.25–16.55 –	15636	–	To Canary Islands
Ukranian:	17.40–17.55 –	9360	–	Tues., Thurs., Sat.

OVERSEAS SERVICE:

Arabic:	17.55–18.20 –	9360	–	
English:	23.00–23.40 –	9360	–	U.S.A.
Portuguese:	21.15–21.45 –	9360	–	Brazil
Spanish:	21.45–22.15 –	9360	–	Guinea, W. Africa.
	22.20–22.50 –	9360	–	Philippines
	23.45–03.00 –	9360	–	Latin America

ANNOUNCEMENT: "R. Nacional de España, Madrid" in different languages exc. for N. America Sce.: "The Voice of Spain".

INTERVAL-SIGNAL: Gong and the following tune:



VERIFICATION by QSL-card or letter.

RADIO S.E.U. (Official School Service).

ADDRESS: Servicio Nacional de Radiodifusion y Cine del Frente de Juventudes, Diego de León 49, Madrid.

LEADING PERSONALITIES: Dir.: A. Arias Ruiz. General-Secretary: G. B. Marco. Dir. Tec.: F. D. Guerra. Technical Inspector: M. S. Sagredo. Dir. Progr.: F. R. Puertos. Chief Editor: M. R. Zuasti.

HOME SERVICE:
Medium Waves:

R.S.E.U., Madrid	836 kc/s	358 m	6 kW		17.00–23.00
R. Union, Barcelona	836 –	358 –	0.5 –		18.00–22.00
R. Juventud de la Coruna, Coruna	1200 –	250 –	0.5 –		18.00–22.00
R. Menorca, Mahon	1205 –	248 –	0.8 –		18.00–22.00
R. Juventud de Murcia	1331 –	226 –	0.8 –		18.00–22.00
R. Juventud de Almeria	1367 –	219 –	0.8 –		18.00–22.00
R. Ponferrada, Leon	1367 –	219 –	0.8 –		18.00–22.00
R. Juventud de Cadiz	1448 kc/s	207 m	0.6 kW		18.00–22.00
R. Algemesi, Valencia	1500 –	200 –	0.8 –		18.00–22.00
R. Balaguer, Lerida	1500 –	200 –	0.8 –		18.00–22.00
R. Soria, Soria	1511 –	198 –	0.8 –		18.00–22.00

Short Waves:

R.S.E.U., Madrid	7151 kc/s	41.95 m	2 kW	17.00–23.00
R. Juventud de Albacete	7200 –	41.66 –	0.8 –	18.00–22.00
R. Alcaniz, Teruel	7500 –	40.00 –	0.8 –	18.00–22.00

+35 low power m.w. stations less than 0.5 kW

ANNOUNCEMENT: "Emite Radio"... Estacion Escuela no..... del Frente de Juventudes".

INTERVAL-SIGNAL: Fragments of the March-Songs "Juventud Española" and "Prietas las filas".

VERIFICATION by QSL-card or letter.

RED DE EMISSORAS DEL MOVIMIENTO (R.E.M.)

(Broadcasting system of the Falange).
La Red de Emisoras del Movimento belongs to La Secretaria Nacional de Radiodifusion, the Press- and Propaganda-Dept. of the Falange.

ADDRESS: Red de Emisoras del Movimiento. – Puerta del Sol no 11, Madrid.

LEADING PERSONALITIES: National Delegate: D. Juan José Pradera. National Secretary: D. José Luis García Casás. Dir. Progr.: D. Teodoro Delgado.

STATIONS:

Medium Wave:

kc/s	m	kW	s.w.	
1300	230	1	7005	R. Valladolid
1415	212	0.8		R. Palencia: D.: 12.00–15.00, 19.00–23.00
1190	252	0.5	6993	R. Leon
1500	200	1		R. Cáceres: D.: 12.30–15.00, 19.30–23.30
1403	214	0.4		R. Denia: D.: 11.30–15.00, 19.00–23.00
1300	230.7	1		R. Alicante
1300	230.7	1	40mc/s	R. Villafranca del Panadés: D.: 11.00–14.00, 19.00–22.00
1550	193.5	0.2		R. Alava. Vitoria: D.: 11.00–15.00, 18.00–23.00
1425	210	0.19		R. Utiel: D.: 12.00–15.00, 20.00–23.00
1575	190	0.05		R. Monovar: D.: 11.30–14.00, 18.30–23.00
1440	208	0.5		R. Sagunto: D.: 11.00–15.00, 18.00–23.00
1376	218	0.25		R. Coruna: D.: 11.15(Sun. 09.55)–15.30, 19.00–23.00
1500	200	0.2		R. Puigcerdá "La Voz de la Cerdana": D.: 11.00–14.00, 17.45–21.15
1525	196.7	0.5		R. Alerta de Valencia: D.: 12.00–15.00, 19.00–23.00
1550	193.5	0.15		R. Játiva.
1408	213	0.8		R. Oviedo: D.: 09.00–16.00, 18.30–23.00. Sun.: 12.00–14.30, 18.00–23.00
1400	214.2	0.8		R. Cantabria. Santander: D.: 11.00–23.00
1571	191	0.2		R. Tarragona: D.: 11.30–15.00, 18.00–23.00
1550	193.5	0.2		R. Palamós "La Voz de la Costa Brava": D.: 11.00–14.00, 17.45–21.15

News from R. Nacional, Madrid 12.30 and 20.00 relayed by all stations.

Short Wave:

kc/s	m	kW	m.w.	
7380	40.06	4.6		"La Voz de la Falange" Madrid: D.: 18.30–20.30, 23.00–24.00
7005	42.82	0.5	1300	R. Valladolid
6993	42.9	0.5	1190	R. León

FM:

40mc/s	7.5	0.15	1300	R. Villafranca del Panadés

FUTURE PLANS for 1955: One new 20 kW s.w. station in Madrid. – One new 5 kW m.w. station in San Sebastian. – Increase to 5 kW of the m.w. stations in Valencia, Oviedo and Santander.
This survey includes the schoolstations of the Youth (del Frente de Juventudes), which also belongs to the broadcasting system of the Falange.

LA VOZ DE LA FALANGE

ADDRESS: Alcala, 44, Madrid.

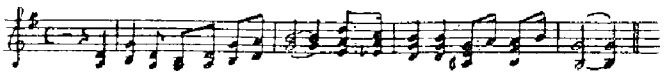
LEADING PERSONALITIES: Dir.: T. D. Pomata. Editor: R. García.

HOME SERVICE in Spanish:
7380 kc/s 40.65 m 1 kW: 18.00–19.30, 21.00–24.00.
Bullfight on Fridays. Sports commentary on Sundays.

ANNOUNCEMENT: "Esta Emisora es "La Voz de la Falange""

Spain

INTERVAL-SIGNAL: A few bars of the "Cara al Sol" at opening of every broadcast.



RADIO FALANGE DE OVIEDO

ADDRESS: Asturias 15, Oviedo.

HOME SERVICE: Oviedo 0.25 kW.
1408 kc/s kc/s 210.0 m – 7230 kc/s 41.49 m 11.00–14.00, 19.00–23.00. On s.w. only Sun.

SOCIEDAD ESPANOLA DE RADIODIFUSION (Comm.)

ADDRESS: Avenida de Jose Antonio num. 32, Madrid. Cable: SER, Madrid.

LEADING PERSONALITIES: Pres.: Don Antonio Garrigues y Diaz-Cañabate. Dir. Gen.: D. Virgillio Oñate Sanchez. Dir. Tec.: D. Francisco Martinez Gonzales. Dir. Progr.: D. Manuel Aznar. Dir. Transm.: D. Manuel Rodriguez Cano. Dir. Information and Promotion: Doña Maria Josefa Rubio.

HOME SERVICE (National Service) in Spanish:

Name	Calll.	kc/s	m	kW	Hours of Transmission
R. Madrid	EAJ7	782	383.6	15	07.00–24.00
R. Barcelona	EAJ1	809	370.8	10	06.30–07.45, 09.00–24.00
R. Valencia	EAJ3	1239	238.3	5	11.00–24.00
R. Galicia	EAJ4	1448	207.2	0.2	12.30–15.00, 19.00–23.00
R. Scvilla	EAJ5	773	388.1	5	12.00–15.00, 16.00–24.00
R. San Sebastian	EAJ8	1025	292.7	5	11.00–15.00, 17.00–23.30
R. Reus	EAJ11	1412	212.5	0.2	11.00–15.30, 17.30–23.00
R. Bilbao	EAJ28	1133	264.8	2.5	09.00–23.30
R. Alicante	EAJ31	1448	207.2	0.2	07.30–08.30, 11.00–15.00 17.30–23.30
R. Alcira	EAJ54	1493	200.9	0.2	11.00–17.00, 18.25–24.00
R. Mediterraneo		6995	42.89	1	11.00–15.00, 18.00–23.30

ASSOCIATED STATIONS:

R. Tanger International		1232 kc/s	243.5 m	50 kW	
		6110 –	49.10 –	1.25 –	
R. Mallorca (Palma de Mallorca)	EAJ13	1439	208.5	0.2	11.00–15.00, 17.00–23.00
R. Castellon	EAJ14	1403	213.8	0.35	11.00–15.00, 18.00–23.00
R. Granada	EAJ16	1448	207.2	1	12.00–15.00, 18.00–23.30
R. Murcia	EAJ17	1493	200.9	0.2	11.00–15.00, 17.00–23.00
R. Huesca	EAJ22	1475	203.4	0.2	12.00–14.30, 20.00–23.00
R. Gandia	EAJ23	1412	212.5	0.5	12.00–15.00, 17.00–23.00
R. Castilla (Burgos)	EAJ27	1448	207.2	9	11.00–15.00, 16.00–23.00
R. Santander	EAJ32	1484	202.2	0.2	11.00–15.30, 17.00–24.00
R. Pontevedra	EAJ40	1493	200.9	0.7	12.00–15.00, 17.00–23.00
R. Coruña	EAJ41	1500	200.0	0.2	12.00–15.00, 18.00–23.00
R. Albacete	EAJ44	1493	200.9	0.4	12.00–15.00, 18.25–24.00
R. Valladolid	EAJ47	1493	200.9	0.2	12.00–15.00, 18.45–23.00
R. Las Palmas	EAJ50	1313	228.5	0.2	10.30–14.30, 17.00–23.00
R. Extremadura*)	EAJ52	1484	202.2	0.6	12.00–14.30, 17.00–22.00
R. Salamanca	EAJ56	1313	228.5	0.2	12.00–15.00, 17.30–23.30
R. Jerez**)	EAJ58	1492	201.1	0.2	12.00–15.00, 17.00–23.00
R. Jaen	EAJ61	1450	207.0	1	12.00–15.30, 17.00–23.30
R. Vitoria	EAJ62	1457	205.9	0.2	09.00–23.00
R. Ciudad Real	EAJ65	1448	207.2	0.2	12.00–15.00, 17.30–23.00
R. Zamora	EAJ72	1375	214.0	0.2	12.00–15.00, 17.00–23.00

*) Badajoz. **) Jerez de la Frontera.

Radio Madrid:
Religious Progr.: W. 11.00–11.05, Mo. 17.30–18.00, Sun. 08.30–10.00. **Request Progr.:** Mo.–Fri. 11.05–12.00, 19.00–19.30, Sat. 11.05–12.00. 15.30–16.00, 19.00–19.30. **Progr. Preview:** D. 07.00, 13.45, 21.15. **News:** W. 07.30, 10.00, 13.10, 18.30, 21.00. Sun. 10.00, 13.10, 21.00. **Time-Sig.:** W. 07.00. Sun. 08.30.

Radio Barcelona:
Religious: Sun. 07.00–08.10, W. 06.30–07.15. **Request Progr.:** Sat. 16.00–16.25, W. 17.20–17.40. **Time-Sig.:** 06.30, 09.00, N.: Mo. 13.30, 18.30, 20.00, 21.00. W. exc. Mo. 13.30, 18.30, 21.00. Sun. 13.30, 21.00. **Bourse:** 13.25.

Radio Valencia:
Religious: Fri. 15.40–16.00, 21.15–21.20. **Request Progr.:** W. 16.25–17.30. **Time-Sig.:** D. 11.00. N.: Mo. 13.30, 20.00, 21.00. Tues.–Sun. 13.30, 21.00.

Radio Sevilla:
Religious: Sun. 08.30–09.00. **Request Progr.:** W. 14.15–15.00, 17.02–18.00. Sun. 14.40–16.15, 17.30–18.00. **Time-Sig.:** 11,00, 17.00. N.: D. 13.30, 21.00.

RADIO BILBAO:

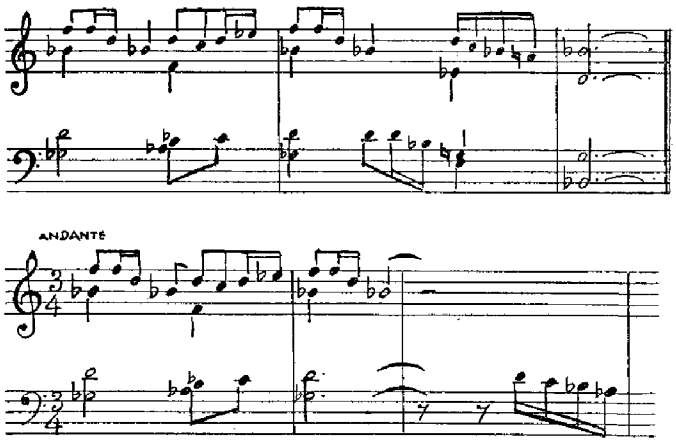
Religious: W. 18.45–19.00 (Fri. also 14.00–14.20), Sun. 09.00–10.15, 13.00–13.30. **Request Progr.:** Mo. 11.30–12.00, 15.05–16.05, 19.30–20.00. Tues.: 16.00–16.30. Wed.: 11.30–12.00, 14.30–15.05, 16.00–16.30, 19.30–20.00. Thurs. 11.30–12.00, 16.00–16.30, 19.00–19.30. Fri. 11.30–12.00, 14.30–15.05, 16.00–16.30, 19.30–20.00. Sat. 11.30–12.00, 14.30–15.05, 19.30–20.00. Sun. 11.30–12.00, 14.30–15.30. **Time-Sig.:** W. 09.00. Sun. 08.30. N.: D. 13.30–13.45, 21.00–21.15.

RADIO MEDITERRANEO:

Religious: W. 21.15–21.30, Sun. 12.00–12.30. **Request Progr.:** Mo. 11.15–11.45, 13.50–14.00, 18.30–19.25. Tues. 11.15–11.45, 13.46–14.00, 20.00–20.20. Wed. 11.15–11.45, 13.50–14.00, 19.50–20.00. Thurs. 11.15–11.45, 13.50–14.00. Fri. 11.15–11.45, 13.46–14.00, 20.00–20.15. Sat. 11.45–12.15, 13.50–14.00, 19.30–20.05. Sun. 11.15–11.45, 14.00–14.30, 19.30–20.00. **Time-Sig.:** 11.00, 18.00. N.: 13.30, 19.00.

ANNOUNCEMENT: Spanish: "Esta es la Sociedad Española de Radiodifusion por su Emisora EAJ...". **English:** "This is the Spanish Broadcasting Society...".

INTERVAL-SIGNAL:



VERIFICATION by letter. Return postage not required.

COMPANIA DE RADIODIFUSION INTERCONTINENTAL

ADDRESS: Diego de Leon, 50 Madrid. Cable: "Ondatlantica".

LEADING PERSONALITIES: President: Sr. Don Valentin Ruiz Senén, Excmo.: Sr. Don Ramon Serraño Suner. Director: Don Dionisio Ridruejo.

HOME SERVICE in Spanish:
Madrid 953 kc/s 314.6 m 15 kW: 12.00–24.00.
N.: from R. Nacional: 13.30, 21.00 (all stations). – **Request Progr.:** 12.00–13.00, 16.00–17.00. – **Symphony:** D. 17.00–18.00.
Sport: D. 14.00. Sun. 20.17.

ANNOUNCEMENT: "Aqui Madrid Emisora Radio Intercontinental". **INTERVAL-SIGNAL:** Opens and closes with "Pan y Toros".

AFFILIATED STATIONS:

R. Alcoy	1490 kc/s	201 m	0.8 kW		12.00–23.00
R. Algeciras	1500 –	200 –	0.2 –		12.00–23.00
R. Levante Alicante	7940 –	37.78 –	1.2 –		12.00–23.00
R. Almeria	1492 –	201 –	0.2 –		12.00–23.00
R. Caceres	1500 –	200 –	1 –		13.00–23.00
R. Cadiz	1495 –	201 –	0.2 –		13.00–23.30
R. Cordoba	1447 –	207 –	0.2 –		12.00–22.30
R. Cuenca	1500 –	200 –	3 –		12.00–23.30
R. España Barcelona	1123 –	267 –	3 –		11.30–14.00 16.00–17.30 18.30–22.00
R. España Gerona	1449 –	207 –	0.2 –		12.00–23.00
R. Gijon	1492 –	201 –	0.2 –		12.00–22.30
R. Huelva	850 –	352 –	2 –		13.00–23.00

R. Lerida	1492	–	201	–	0.2	–	12.00–23.00
R. Linares	1492	–	201	–	0.2	–	12.00–22.30
R. Lugo	1500	–	200	–	0.2	–	13.00–23.00
R. Malaga	989	–	308	–	8	–	12.00–24.00
R. Manresa	1492	–	201	–	0.2	–	12.00–23.00
R. Melilla	1492	–	201	–	0.2	–	12.00–23.00
R. Onteniente	1500	–	200	–	0.5	–	12.00–23.00
R. Orense	1492	–	200	–	0.2	–	13.00–22.30
R. Asturias Oviedo	1258	–	238	–	0.35	–	12.00–23.00
R. Palencia	1543	–	195	–	0.2	–	12.30–23.30
R. Rioja	1500	–	200	–	0.2	–	12.00–23.00
R. Tarragona	1579	–	190	–	0.2	–	12.00–23.00
R. FET Valladolid	1448	–	207	–	2	–	11.30–14.00 19.00–22.00
R. Vigo	1492	–	201	–	0.2	–	12.30–23.00
R. Vitoria	1500	–	200	–	0.2	–	12.00–23.00
R. Zaragoza	872	–	344	–	30	–	08.00–09.00 12.00–14.30 18.00–23.00
R. Andorra	998	–	301	–	60	–	11.00–23.00
R. Africa Maghreb	935	–	321.0	–	12	–	07.00–22.00
R. Africa Maghreb	7193	–	41.72	–	5	–	11.30–14.00
R. Renascenca Lisboa	6154	–	48.74	–	7	–	12.00–15.00
R. Renascena Oporto	1169	–	256.6	–	6	–	18.30–24.00

ADDRESSES:

R. Alcoy: B. Nicolás Facio , 2, Alcoy. – R. Algeciras: Apartado no. 15, Algeciras (Cadiz). – R. Almeria: Arapiles 2, Almeria. – R. Caceres: Ronda del Carmen, 4, Cáceres. – R. Cadiz: José del Toro, 10, Cadiz. – R. Cordoba: Alfonso XIII, 26, Cordoba. – R. Cuenca: Sánchez Vera, 9, Cuenca. – R. España de Barcelona.: Rambla de los Estudios, 8, Barcelona. – R. España de Gerona: Forza, 8, Gerona. – R. Gijon: Moros, 42, Gijon, (Asturias). – R. Huelva; Gran Via, 1, Huelva. – R. Lerida: Carmen, 26, Lerida. – R. Linares: Alfonso XIII, 26, Linares. – R. Lugo: Plaza del Angel F. Gómez, 5, Lugo. – R. Malaga: Muelle de Heredia, 10, Malaga. – R. Manresa: Avda Tercio Ntra Sra Monserrat, 3, Manresa (Barcelona). – R. Melilla: O'Donell, 26, Melilla. – R. Onteniente: Plaza José Antonio, 26, Onteniente. – R. Orense: Tiendas 9/11. Orense. – R. Asturias Oviedo: Marqués de Teverga, 22, Oviedo. – R. Palencia: Tte A. Velasco, 6, Palencia. – R. Rioja: Muro del Carmen, 5, entlo. Logrono. – R. Tarragona: Avda del Generalísimo, 77, Terragona. – R. FET Valladolid: Santiago, 2, Valladolid. – R. Vigo: Príncipe, 53, Vigo. – R. Vitoria: Postas, 27.2°, Vitoria. – R. Zaragoza: Zurita, 3, Zaragoza.

RADIO LEVANTE ALICANTE:

ADDRESS: Angel Lozano, 20, Alicante.

ANNOUNCEMENT: "Radio Levante Alicante, Colaborador de la Compañia de Radiodifusion Intercontinental".

INTERVAL-SIGNAL: Opens & closes with the march "Heroina".

RADIO ESPANA

ADDRESS: Manuel Silvela, 9, Madrid.

LEADING PERSONALITIES: Dir. D. M. A. Hernan. Dir. Progr. and Transmissions: D. J. L. Sertucha. Dir. Tec.: D. L. Cáceres.

HOME SERVICE:
Madrid EAJ2 854 kc/s 351.2 m 3.5 kW: 07.00–23.30.

ADDRESS: Rambla de los Estudios 8, Barcelona.

HOME SERVICE:
EAJ15 1124 kc/s 266.9 m 3 kW: 12.30–23.00.

R. ALERTA (Pr. Comm.)

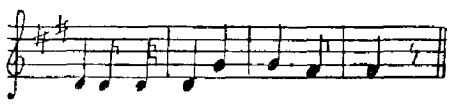
ADDRESS: Calle de Colon 11, Valencia.

LEADING PERSONALITIES: Dir.: V. B. Fugola. Deputy Dir.: R. C. Martinez. Dir. Tec.: J. M. Serra. Dir. Progr.: M. V. Alonso.

HOME SERVICE:
Valencia 6960 kc/s 43.10 m 0.25 kW: 12.00–15.00, 19.00–23.00.

ANNOUNCEMENT: "Transmite R. Alerta de Valencia. Emisora Regional de la Guardia de Franco, al servicio de España y la Falange, radiando en onda de 43 metros y frecuencia de 6960 kc/s".

INTERVAL-SIGNAL:



SWEDEN

DISTRIBUTION OF PROGRAMMES: ADDRESS: The Board of Telecommunications, Stockholm 16. Cable: "Gentel".

LEADING PERSONALITIES: Dir. Gen.: H. Sterky. Chief of Radio Division: E. Esping. Chief of Broadcasting Section: K. Ekstrøm.

STATIONS:

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Luleå	182	1648.4	10	Varberg	1394	215.2	0.2
Motala	191	1570.7	150	Visby	1394	215.2	0.5
Östersund	420	714.3	10	Gävle	1448	207.2	0.5
Sundsvall	593	505.9	150	Hudiksvall	1448	207.2	1.0
Malmberget	773	388.1	2	Västerås	1448	207.2	2.0
Stockholm	773	388.1	55	Örnsköldsv.	1448	207.2	1.5
Göteborg	980	306.1	150	Porjus	1529	196.2	0.075
Hörby	1178	254.7	100	Söderhamn	1529	196.2	0.06
Falun	1223	245.3	100	Umeå	1529	196.2	1.0
Hälsingborg	1394	215.2	1.5	Borås	1562	192.1	2.0
Eskilstuna	1394	215.2	0.5	Halmstad	1562	192.1	2.0
Jönköping	1394	215.2	0.2	Kalmar	1562	192.1	2.0
Karlskrona	1394	215.2	1.5	Karlstad	1562	192.1	0.25
Kiruna	1394	215.2	0.5	Malmö	1562	192.1	2.0
Kristineh.	1394	215.2	0.2	Norrköping	1562	192.1	1.5
Säffle	1394	215.2	0.4	Uddevalla	1562	192.1	0.5
Trollhättan	1394	215.2	0.25	Örebro	1562	192.1	0.5
Uppsala	1394	215.2	0.5				

Short Waves: (Hörby=H, 100 kW. Motala=M, 12 kW).

kc/s	m		kc/s	m		kc/s	m	
6065	49.46	H	7270	41.27	M	11705	25.63	H
6095	49.22	H	9535	31.46	H	11880	25.25	H
7210	41.61	H	9620	31.19	H	15155	19.80	H
						17800	16.85	H

SWEDISH BROADCASTING CORPORATION (semi-State-owned).

ADDRESS: A/B "Radiotjänst" (Swedish Broadcasting Corporation), Stockholm 7.

LEADING PERSONALITIES: Dir. Gen.: Elof Ehnmark. Man. Dir.: Erik Mattsson. Dir. Music: Julius Rabe. Dir. Talks: Nils-Olof Franzen. Dir. Drama: Herbert Grevenius. Dir. News and Special Events: Henrik Hahr. Dir. Tec.: Jchan von Utfall. Dir. Publications Dept.: Manne Ginsburg.

HOME SERVICE in Swedish:

LONG AND MEDIUM WAVES: W.: 05.15–14.00, 16.00–22.30 (approx.) Sun.: 06.30–22.00 (approx.).
The following long and medium wave stations are generally the most reliable for listeners in Europe: Motala 200 kW, 191 kc/s and Hörby 100 kW, 1178 kc/s.

SHORT WAVES:
05.00–09.00 6065, 7270 kc/s.

09.00–16.00 Nov.–Febr.: 7270, 9620 kc/s. March–Oct.: 7270, 11880 kc/s
16.00–23.00 6065, 7270 kc/s.

N. & Weatherrep.: 05.30 (W.), 07.00, 11.30, 18.00, 21.15. – **Weather Forecast for Swedish Waters:** 16.00. – **Religious Progr.:** Sun.: 10.00–11.15 (approx.) Divine Sce. – **Request Progr.:** Tues. 17.00–18.00; Sat. 16.50–17.00 "Next week's Highligths". – **Progr. Preview:** 05.45(W.), 07.15, 11.10(W.), 11.40(Sun.), 14.00(W.) approx., 16.05, 17.55. – **Bells of the Town Hall in Stockholm:** W.: 11.00. – **Time Sig.:** D.: 11.55–12.00.

ANNOUNCEMENT (National Progr.): "Sveriges Radio...". and the name of the transmitting station. For instance: "Sveriges Radio, Stockholm".

FOREIGN SERVICE:

EUROPEAN SERVICE (One non-directional transmission) 20.00–22.00 on 6095 kc/s. N. Commentaries, Reportage, Music etc.:
English: 20.30–21.00. **German:** 20.00–20.30. **Spanish:** 21.30–21.45. **French:** 21.00–21.30. **Portuguese:** 21.45–22.00.

OVERSEAS SERVICE (14 transmissions beamed in 7 directions). I=Sept.–Apr. II=May–Aug. III=Nov.–Feb. IV=March–April and Sep.–Oct. V=March–Oct.

FAR EAST: 23.00–23.45, 13.00–13.45.

		I	III	II	V
English:	23.00–23.15	9535		11705	
	13.00–13.15		9535		11705
Swedish:	23.15–23.45	9535		11705	
	13.15–13.45		9535		11705

SOUTHERN ASIA: 03.00–03.45, 14.00–15.45.

		III	IV	II	V
English:	03.00–03.15	7210	9535	11705	
	14.30–15.15	9535			11705
Swedish:	03.15–03.45	7210	9535	11705	
	15.15–15.45	9535			11705
French:	14.00–14.30	9535			11705

MIDDLE EAST: 04.00–04.45, 17.00–17.45.

		III	IV	II
English:	04.00–04.15	7210	9535	11705
	17.00–17.15	7210	9535	15155
Swedish:	04.15–04.45	7210	9535	11705
	17.15–17.45	7210	9535	15155

AFRICA: 06.00–07.00, 18.00–19.00.

		III	IV	II
English:	06.00–06.30	15155	15155	15155
	18.00–18.30	9620	11705	15155
Swedish:	06.30–07.00	15155	15155	15155
	18.30–19.00	9620	11705	15155

SOUTH AMERICA: 11.00–11.45, 23.00–02.00.

		I	II
English:	11.00–11.15	15155	15155
Swedish:	11.15–11.45	15155	15155
	00.00–01.00	6095	9535
Spanish:	23.00–23.30		
	01.00–01.30	6095	9535
Portuguese:	23.30–24.00		
	01.30–02.00	6095	9535

E. and N. AMERICA: 12.00–12.45, 00.00–02.45.

English:	12.00–12.15	11705 kc/s whole year		
	00.30–01.00 / 02.00–02.45	9620	–	–
Swedish:	12.15–12.45	11705	–	–
	01.00–02.00	9620	–	–
French:	00.00–00.30	9620	–	–

WESTERN N. AMERICA: 16.00–16.45, 05.00–05.45.

		I	II
English:	16.00–16.15, 05.00–05.15	9535	11705
Swedish:	16.15–16.45, 05.15–05.45	9535	11705

ANNOUNCEMENT: English: "This is Radio Sweden". – French: "Ici Stockholm". German: "Hier ist der Schwedische Rundfunk, Stockholm". – Spanish: "Habla Estocolmo". – Portuguese: "Aqui Estocolmo".

INTERVAL-SIGNAL: The first movement of Carl Michael Bellman's: "Storm och böljor tystna ren".

VERIFICATION by QSL-card. Special questions by letter. No return postage required. **Radio Sweden reserves the right to alter the schedule if necessary.**

PUBLICATIONS: Weekly: "Röster i Radio" (The Voice of the Radio). Monthly: "Hörde ni" (Did you hear that). A folder is published as a free service to listeners and is available in six languages: English, French, German, Spanish, Portuguese and Swedish.
R. Sweden will appreciate all letters and reports on reception of the transmissions. Please write to Radio Sweden, Stockholm 7.

SWITZERLAND

SWISS BROADCASTING CORPORATION (Working under Government Charter-Non commercial).

ADDRESSES: **Schweizerische Rundspruchgesellschaft**, Societé Suisse de Radiodiffusion, Swiss Broadcasting Corporation, Societá Svizzera di Radiodiffusione – Neuengasse 30, Berne. **Cable:** "Radif".
Schweizerischer Kurzwellendienst, Service suisse des Ondes courtes, Swiss Shortwave Service, Neuengasse 23, Berne.
Regional Centres: Radio Zurich, Brunnenhofstrasse 20, Zürich. **Radio Berne**, Schwarztorstrasse 23, Berne. – **Radio-Basel**, Novarastrasse 2, Basel. – **Radio-Lausanne**, Maison de la Radio, La Sallaz, Lausanne. – **Radio-Geneve**, 66, Boulevard Carl Vogt, Genève. – **Radio-Lugano**, Campo Marzio, Lugano.

LEADING PERSONALITIES: Dir. Gen. of S.B.C.: Marcel Bezençon. Head of Adm. and Deputy Dir. Gen.: Georges Conus. Dir. of Swiss Shortwave Service: Paul Borsinger. Head of Spoken Word in Swiss Shortwave Service: Hans de May. Head of Television Service: Edouard Haas.
Manager of the Regional Centres: Beromünster: Studio Zürich: Dr. Jakob Job. Studio Berne: Dr. Kurt Schenker. Studio Basel: Dr. Fritz Ernst. **Sottens:** Studio Lausanne: Jean-Pierre Méroz. Studio Genève: Dr. René Dovaz. **Monte Ceneri:** Studio Lugano: Dr. Stelio Molo.

HOME SERVICE:

GERMAN: W: 05.15–06.30, 10.00–13.30, 15.29–22.00. – Sat. 05.15–06.30, 10.00–22.00. – Sun. 05.55–06.45, 08.00–22.00.

Beromünster	529 kc/s	567.1 m	150	kW	
Chur	1367 –	219.5 –	0.5	–	relay
Sool	1367 –	219.5 –	0.5	–	–
Basel	1367 –	219.5 –	0.5	–	–

FM: St. Anton 96.9 mc/s 3 kW relay.

N.: 05.15 W, 06.00, 11.30, 18.30, 21.15. – **Weatherrep.:** 06.00, 11.30, 18.30, 21.15. – **Time-Sig.:** 05.20, 05.55, 06.29 (Sun. 06.05), 11.29, 13.29, 15.29, 21.15. – **Progr. Preview:** 06.05–18.25. – **Symphony:** Tues. 19.00. – **Religious Progr.:** Sun. 08.00 Protestant Sermon. 08.45 Catholic Sermon. – **Request Progr.:** Mo. 19.00. – **Mailbag:** Mo. 19.30, – **Commentary:** 18.40. Fri. 18.10. – **"World Chronicle"** Mo. 21.20. (Review for Swiss abroad). –

FRENCH: W: 06.10–06.40, 10.00–13.00 (Sat. 22.15), 15.29–22.15. Sun. 06.10–06.40, 07.45–22.15.

Sottens	764 kc/s	392.6 m	150	kW	
Saviése	1367 –	219.5 –	0.5	–	relay.

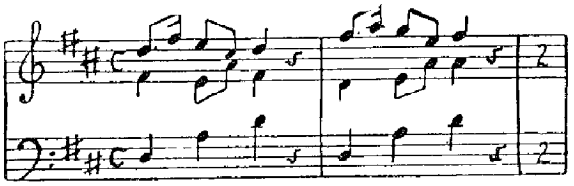
N.: 06.15, 11.45, 18.15, 21.30. – **Weatherrep.:** 06.15, 11.45, 18.15, 21.30. **Time-Sig.:** 06.20, 11.44, 15.29, 18.13. – **Program Preview:** 18.14. – **Symphony:** Wed. 19.30. – **Religious Progr.:** Sun. 07.45 High Mass, 09.00 Protestant. – **Request Progr.:** Sun. 10.35. – **Mailbag:** Wed. 19.00. – **Commentary:** W. 17.50, 18.25 (Fri.: "La situation internationale".)

ITALIAN: W: 06.00–06.45, 10.00–13.00, 15.29–22.00 (Sat. 23.00.) Sun. 06.00–06.45, 08.45–22.00.
Monte Ceneri: 557 kc/s 538.6 m 50 kW.
N.: 06.15, 11.30, 18.15, 21.15. – **Time-Sig.:** 06.20, 11.29, 18.13. – **Progr. Preview:** 18.20. – **Symphony:** Thurs. 19.50. – **Religious Progr.:** Sun. 10.45. – **Request Progr.:** Sun. 13.30. Mo. Fri. 17.00. – **Mailbag:** Sun. 13.05. – **Commentary:** 18.00.

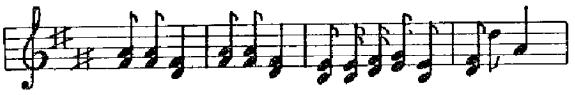
COMMON PROGRAMMES: Mo.–Fri. 10.00–11.15 for **Beromünster, Sottens** and **Monte Ceneri** from the following studios:
Mo. (French), Geneva. – Tues. (Italian), Lugano. – Wed. (French), Lausanne. – Thurs. (German), Berne. – Fri. (German), Zürich. – Sat. (German), Basel.

ANNOUNCEMENTS: **Beromünster:** "Schweizerischer Landessender Beromünster". – **Sottens:** "Sottens – Emetteur national suisse". – **Monte Ceneri:** "Radio della Svizzera italiana – Stazione nazionale di Monte Ceneri".

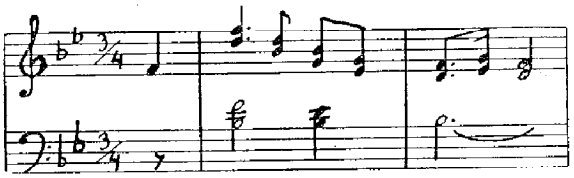
INTERVAL-SIGNALS:
Beromünster: Radio Basel: "Z'Basel a mym Rhy".



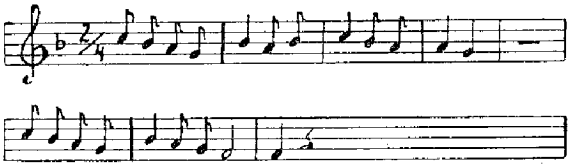
Radio Bern: "D'Zyt isch do".



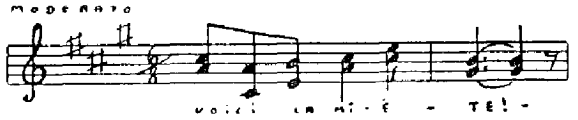
Radio Zürich: "Chum Bueb und lueg dis Ländli a".



Radio Genève: "Quelle fatale journée" chanson d l'Escalade.



Sottens: Radio Lausanne: "Voici la mi-été".



Monte Ceneri: "Campane delle Chiesa di Pazzalino".

FOREIGN SERVICE:

Schwarzenburg: 100 kW.

HER2	6055 kc/s	49.55 m	HEI5	11715 kc/s	25.61 m
HER3	6165 –	48.66 –	HER5	11865 –	25.28 –
HEI3	7210 –	41.61 –	HER6	15305 –	19.60 –
HER4	9535 –	31.46 –	HER7	17784 –	16.87 –
HEU3	9665 –	31.04 –			

Our schedule will be completed on 1st May 1955 and there will be certain (probably minor) frequency changes operating at that date.

EUROPEAN SERVICE:

German, French, Italian on HER3, HER4. W.: 05.15–06.40, 10.00–13.30, 15.30–22.30. Sat. 05.15–06.40, 10.10–22.30). Sun.: 05.55–06.40, 07.45–22.30. N.: (G=German, F=French). 05.15(G), 06.00(G), 06.15(F), 11.30(G), 11.45(F), 18.15(F), 18.30(G), 21.30(F), 22.20(G). – **Esperanto:** Tues., Thurs. 11.55 and 17.35.

European Service rebroadcast to Africa: 05.15 (Sun. 05.55)–06.40 on HEI5. – 10.00–12.30 on HER7. – 16.30–22.30 on HEI5. (14.45–16.30 same programme in English as for India and Pakistan (see Overseas Service)).

OVERSEAS SERVICE: (U.K.=United Kingdom, N.Z.=New Zealand).

English:	Beamed Areas	Stations
18.45–20.30	U.K. Ireland	HER2/HEU3
01.30–03.15	N. America (I)	HER3/HER2/HER4
04.15–05.00	N. America (II)	HER3/HER2/HER4
07.15–09.45	Australia, N.Z., F. East	HER5/HEI5/HER6
12.45–14.30	Japan, S. E. Asia	HER5/HER6/HEU3
14.45–16.30	India, Pakistan	HER5/HEU3
16.45–18.30	Middle East	HER5/HEU3

Press Reviews, News Comment: D. in all transmissions.
Swiss Popular Music: Sun., Tues., Wed., Sat.
Light Music: Thurs., Fri.
Request Programme: Sat.
Quiz Programme: Sun.
Sport News: Sun.
Dance Music: Mo.
"Guests of Switzerland": Fri.
Youth Programme: Sat.
DX-Programme: First Thurs./Fri. of each month
Actuality Programme: Sun.
Invalids Programme: Wed.
Women's Programme: Tues.
"Swiss Churches tell their Story": Sun.
Classical Music: Sun., Tues., Thurs.
For Swiss Abroad: Mo. "Soirée Romande". Wed. "Serata Ticinese". Fri. "Schwizerdütsche Heimatabe".

Spanish:

21.00–22.30	Spain	HER2/HEU3
23.00–00.45	Latin America (I)	HEI3/HER4/HEU3
03.30–04.00	Latin America (II)	HEI3/HEU3

News and commentaries: D.
Request Programme: Sat.
Classical Music: Tues., Thurs., Sun.
School in Switzerland: Thurs.
Actuality Programme: Tues., Sat.

Portuguese:
20.45–21.00 Portugal HER2/HEU3
23.00–23.15 Brazil HEI3/HER4/HEU3

News and Commentaries: D. – **Popular Music:** D. – **Request Progr.:** Sat.

Programme schedules are available free of charge from the Swiss Shortwave Service, Berne, Switzerland.

ANNOUNCEMENTS: English: "This is Switzerland Calling". – German: "Hier spricht die Schweiz". – French: "Ici la Súisse". – Italian: "Qui è la Svizzera". – Spanish: "Habla Súiza". – Portuguese: "Aqui Súiça".

INTERVAL-SIGNAL: Lueget vo Bärg und Tal.

VERIFICATION by QSL-card and letter.

UNO BROADCASTING FROM GENEVA

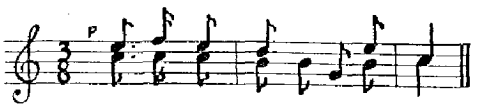
ADDRESS: United Nations Information Center, Genèva. Cable: Omnipress, Genèva.

LEADING PERSONALITIES: Dir. of Information Centre: Jerzy Szapiro. Radio Officers: R. Nivelle, Miss Leila Doss.
Station: HBQ 6675 kc/s 44.94 m 25 kW.

DAILY PROGRAMS: 18.15 UN Feature Progr. (English Mo., Wed., Fri., French Tues., Thurs.). 18.30 English Bulletin. 18.45 French Bulletin.

ANNOUNCEMENT: "This is the United Nations calling the peoples of the world".

INTERVAL-SIGNAL:



VERIFICATION: Reports answered by QSL-card and letter.

BROADCASTS FROM "COMITÉ INTERNATIONAL DE LA CROIX-ROUGE". GENEVA

CHIEF OF BROADCASTING: Mr. Georges Kuhne.

IN PEACE-TIME: CICR organizes transmissions irregularly on frequencies used by the Swiss Broadcasting Organization.

IN CRITICAL TIMES: CICR broadcasts from one of the studios belonging to the Swiss Broadcasting Organization programmes containing information of search, and use for this purpose suitable frequencies of the Swiss Broadcasting Organization.

TRIESTE (Free Territory)

ENTE RADIO TRIESTE (Govt.)

ADDRESS: Piazza Oberdan N. 5., Post Box N. 460, Trieste. Cable: "Radiotrieste".

LEADING PERSONALITIES: Dr. Eurica Martini Mauri, Governmental Commissioner for Radio Trieste, and Dr. Eng. Guido Candussi Managing Director.

HOME SERVICE:

Trieste I	818 kc/s	366.7 m	10	kW	Italian
Trieste II	980 –	306.1 –	2.5	–	Slovene
Trieste 2	1484 –	202.2 –	0.	–	R. 2 Progr. RAI
Trieste FM	92.9 mc/s		0.05	–	R. 3 Progr. RAI

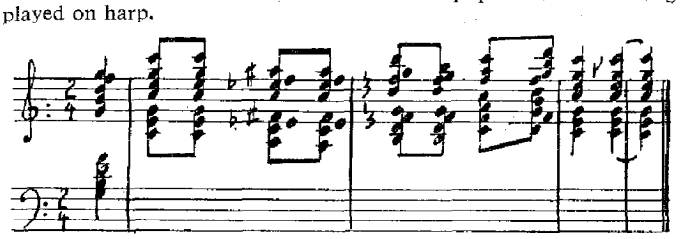
Trieste I: W.: 06.00–08.00, 10.00–14.00, 16.30–23.00, Sat.: 06.00–08.00, 10.00–23.00, Sun. 07.00–23.00.
N.: 06.15(W.), 07.15(Sun.), 12.00(D.), 17.00(W.), 19.00(D.), 22.15(D.).

Trieste II: W.: 06.00–07.30, 10.30–13.45, 16.30–23.00, Sat.: 06.00–07.30, 10.30–23.00. Sun.: 07.00–23.00.

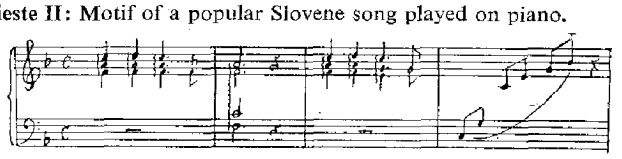
N.: 06.10(W.), 07.20, 11.45(D.), 13.35(W.), 17.30(W.), 18.45(D.), 22.15(D.).

ANNOUNCEMENT: "This is Radio Trieste I" – "Questa è Radio Trieste prima" (Italian). "Here is Radio Trieste II" – "Tukai je Radio Trest postaja dve" (Slovene).

INTERVAL-SIGNAL: Trieste I: Motif of a popular Triestine song played on harp.



Trieste II: Motif of a popular Slovene song played on piano.



RADIO CAPODISTRIA (Jugoslav Zone)

ADDRESS: Radio Capodistria, Capodistria Trieste.

HOME SERVICE in Jugoslavian and Italian:
1178 kc/s 254.6 m 5 kW: 05.45–07.00, 11.00–22.40.

N. in Slovene: 04.40, 06.45, 12.30, 18.00, 22.30. **N. in Italian:** 05.15, 11.45, 18.30, 22.00.

U.S.S.R.

ADDRESS: Radio Centre, P.O. Box 787, Moscow.

HOME SERVICE in Russian:

FIRST PROGRAMME: 03.00–22.00 (Sat., Sun. 23.00).

Moscow	155 kc/s	1935 m	
Moscow I	173 –	1734 –	500 kW
Leningrad	236 –	1271 –	100 –
Minsk	281 –	1068 –	100 – (from 12.45)

On short waves: In 61, 55, 49, 41, 31, 25 and 19 m.b. during daytime and in 79, 74, 61, 55, 50, 41 m.b. during night time.
News: 03.05, 05.00, 13.00, 16.00(W), 19.30.

Programme Previews: 03.20, 05.20, 12.45 (for the following day), 16,18 (for the evening). **Actuality:** 16.45 (Sun. 18.00).
Press Reviews: 04.00, 05.45, 09.00, 10.45.

SECOND PROGRAMME: W.: 12.00–22.00, Sun. 05.45–22.00.

Moscow II	200 kc/s	1500 m	100 kw (until 15.55)
Moscow II	548 –	547.4 –	100 kw (from 16.20)
	620 –	483.9 –	
	691 –	433.5 –	
	809 –	370.8 –	

On short waves: In 57 m.b. and from 13.00 in 55, 59 m.b.
News: 17.45 (exc. Sun.). – **Press Review:** 12.45 (exc. Sun.).

THIRD PROGRAMME: 16.20–21.00.
Moscow III 872 kc/s 344 m 150 kW and in 49 and 46 m.b.

SHORT WAVE STATIONS:
Moscow: 15/50/100.
4380, 4465, 4550, 4634,[1]) 4675, 4890, 5065, 5080,[1]) 5175, 5260,[1]) 5380[1]), 5455, 5480, 5912, 5919, 5922,[1]) 5930, 5940, 5957, 5965, 5970, 5980, 6000, 6010, 6030, 6035, 6040, 6046,[1]) 6060, 6070, 6090, 6100, 6115, 6120, 6130, 6145, 6150, 6160, 6170, 6185, 6195, 6200, 6210, 6405, 6540, 6660,[1]) 6700, 7100, 7115, 7155, 7165, 7177, 7180, 7190, 7200, 7210, 7215, 7225, 7235, 7245, 7255, 7260, 7265, 7272, 7280, 7295, 7300, 7310, 7320, 7330, 7340, 7360, 7370, 7375, 7400, 7420, 7790[1]), 8345,[1]) 8644[1]), 8760,[1]) 8910,[1]) 8915, 9145,[1]) 9230, 9390, 9430, 9470, 9480, 9490, 9515, 9530, 9540, 9545, 9550, 9555, 9565, 9610, 9620, 9625, 9640, 9650, 9655, 9660, 9675, 9680, 9690, 9700, 9710, 9720, 9740, 9750, 9765, 9770, 9780, 9790, 9800, 9850,[1]) 9880,[1]) 11685, 11690, 11702, 11710, 11715, 11720, 11725, 11740, 11745, 11755, 11760, 11765, 11780, 11790, 11805, 11810, 11815, 11820, 11825, 11830, 11840, 11850, 11860, 11880, 11890, 11900, 11910, 11920, 11930, 11945, 11954, 11960, 11970, 11980, 12020,[1]) 12270, 12300, 13400,[1]) 14380,[1]) 15040,[1]) 15100, 15110, 15120, 15130, 15140, 15170, 15180, 15200, 15210, 15220, 15230, 15250, 15280, 15300, 15310, 15320,[1]) 15325, 15340, 15360, 15370, 15390, 15400, 15410, 15430, 15440, 15450, 15470, 15540, 17750, 17810, 17820, 17830, 17840,

[1]) Tass transmissions (dictation news).

To Far East:
20.30–23.15 in 50, 41 m.b. – 04.00–10.00 in 49, 31, 25, 19 m.b.
News: 20.30–21.00, 22.30–23.00. – **Press Reviews:** 04.00, 04.45, 05.45, 09.00. – **Program Preview:** 23.00, 09.45.
To Western Siberia:
00.00–01.00 in 1935, 1271, 74, 49, 42, 40, 31, 30 m.b.
News: 00.00–00.20.
To Kazakh, Central Asia and Ural:
01.00–03.00 in 1935, 1271, 74, 49, 42, 40, 31, 30 m.b.
News: 01.00–01.20. – **Progr. Preview:** 02.35.

OTHER LONG AND MEDIUM WAVE STATIONS:

Name	kc/s	m	kW	Time of transmissions
*)Chita	164	1829		(Regional programmes) 21.05–01.00, 04.00–16.30
*)Alma-Ata	182	1648	10	00.20–08.15, 12.00–21.05
Tbilisi	191	1571	35	02.00–12.00, 13.00–21.05
*)Irkutsk	200	1500	20	22.30–01.30, 04.00–17.30
Khabarovsk	200	1500	50	
Kiev I	209	1435	150	03.00–10.00, 13.15–22.00
Baku	218	1376	10	02.30–11.00, 13.00–21.05
*)Krasnoyarsk	218	1376	50	23.00–08.00, 09.00–18.30
*)Vladivostok	245	1224	10	01.00–07.00
*)Tashkent	254	1181	25	00.30–11.00, 12.00–21.05
*)Yakutsk	263	1141	10	22.30–00.15, 02.00–14.00
Leningrad	263	1141	100	
*)Novosibirsk	272	1103	100	23.00–07.00, 09.00–19.00
Minsk	281	1068	100	03.00–12.00
*)Ulan-Ude	281	1068	10	22.30–01.15, 03.30–16.30
Khabarovsk	340	894.7	50	
Erivan	364	824.0	50	
Sverdlovsk	370	811.0	40	
Kharkov	385	771.0	100	
Minsk	400	750.0	50	
Kazan	566	530		14.10–17.00
Riga	575	521.7	100	03.00–11.00, 13.00–20.45
Ordzonikidze	593	505.9		04.00–11.00, 14.00–21.00
Petrozavodsk	611	491.0	100	03.00–10.00, 13.00–22.00
*)Frunze	611	491.0	25	01.00–11.15, 12.00–20.30
Gorki	620	483.9	20	04.40–05.00, 15.00–16.00
Kharkov	647	463.6	100	
Simferopol	647	463.6	10	
Grozny	656	457.3		04.00–05.00, 15.00–16.00
Murmansk	656	457.3	150	03.00–11.00, 13.00–21.00
Vilnyus	665	451.1	100	04.00–12.00, 13.00–21.00
*)Ufa	692	433.5		02.35–03.00, 13.05–15.30
Tartu	710	422.5	20	
Stalino	710	422.5	150	05.00–11.00, 13.15–21.05
*)Chelyabinsk	737	407.1	10	01.00–03.00, 04.00–07.00 09.00–11.00, 12.45–14.00 15.00–21.00
Stavropol	746	402.1		07.00–11.00, 15.00–21.05
Rostov	764	392.6	20	
Kiev II	782	383.6	100	
Leningrad	800	375.0	100	04.20–09.20, 10.00–17.00
Kuibyshev	809	370.8	10	04.20–04.40, 15.00–16.00
Kaunas	827	362.8	100	
Makhachkala	917	327.9		03.00–11.00, 13.00–21.05
Ivanovo	926	323.9	10	04.00–05.45, 14.45–16.45
Lvov	935	320.9	100	03.00–12.00, 13.00–18.00
Kishinev	998	300.6	100	03.00–12.00, 13.00–18.00
Tallin	1034	290.1	100	03.00–12.30, 13.00–20.15
Dnepropetrovsk	1070	280.4	20	
Mogilev	1106	271.2	10	
Viborg	1124	266.0	10**)	
Kaliningrad	1142	262.7	20	03.00–14.30
Tartu	1214	246.0	20	
Tiraspol	1241	241.7	100	
Odessa	1241	241.7	10	
Madona	1349	222.4	20	
Kaunas	1385	216.8	100	

*) situated outside European area. **) Relay Leningrad.

Other Short Wave Stations:

Alma Ata – 15 kW: 5860, 5900, 6220, 4340, 9350, 9451, 15000.
Ashkhabad – 15 kW: 6180, 9600, 9680, 11839.
Baku – 2 kW: 4958, 6195, 9840.
Blagoveshchensk – 1 kW: 4956.
Bukhara: 6072.
Chimkent: 4310.
Dzhambul: 5310.
Erivan – 5 kW: 5740, 7150.
Frunze: 4049, 5060.
Gorno Altaysk: 9310.
Guryev – 1 kW: 5150.
Kaunas: 9685.
Khabarovsk – 20 kW: 4273, 4581, 5940, 6019, 6149, 8820, 9378, 9669, 11800, 15180,
Kiev – 40 kW: 6020, 9271, 9593, 9670, 9804, 11720, 11785.
Komsomolsk – 50 kW: 6055, 6115, 9565, 9725, 11750, 15230.
Krasnoyarsk: 5710.
Leningrad: 7340, 9600, 9750, 11630, 11885, 15055.
Magadan: 5970, 5830, 6967, 11690.
Molotov: 5485.
Nikolaevsk – 2 kW: 4364, 5230.
Novosibirsk: 5225, 15310.
Petropavlovsk – 50 kW: 5050, 6070, 9545, 9660, 11840, 11885, 15110, 15230.
Petrozavodsk – 10 kW: 4995.
Samarkand: 5450.
Stalinabad: 6702, 7201, 7440.
Sverdlovsk: 15270.
Taldy Kurgan: 5305.
Taschkent / 1/5 kW: 6730, 6824.
Tbilisi – 2 kW: 5040, 6050.
Vladivostock – 5 kW: 5015, 6080, 9480.
Yakutsk – 2 kW: 5979.
Yuzhno Sakhalinsk: 4732, 5000.

FOREIGN SERVICE

EUROPEAN SERVICE
*=Concert. metre bands

Albanian
14.30–15.00 221
15.00–15.30 49–41 (Sun. only)
18.00–18.30 49–41–321–221

Austrian
17.00–17.30 49–41–227–216
18.30–19.00 49–41–227–216
19.30–20.00 49–321–227–216
21.30–22.30* 49–227–216

Bulgarian
15.00–15.30* 49–41 (Wed. only)
16.30–17.00 363–267–245
17.30–18.00 49–41–257

Czech
15.30–16.00° 1102–233–202
17.00–17.30 470–315–197
°) Every other day in Slovak.

Slovak
17.00–17.30 273

Danish
17.00–17.30 49–41
18.30–19.00 49
21.30–22.30* 49–522–375–290–216

Dutch
17.30–18.00 49–41
20.00–20.30 49
21.30–22.30 49–522–375–290–227–216

English	metre bands
07.30–08.00	49–41–31–25
18.00–19.00	49–41
19.00–20.00	49–41–31
20.00–21.30	49–41
21.30–22.00	49–41–31
22.00–22.30*	49–41–522–375–290–216
Finnish	
09.30–10.00	41–375
18.00–18.30	49–375
19.00–19.30	49–375
20.15–20.45	49–375–290
21.30–22.30*	49–522–375–290
French	
06.00–06.30	41–31–25
12.15–12.45	31–25
18.00–18.30	49–41
19.00–20.00	49–41–240
21.00–21.30	49–41–257–240
21.30–22.30*	49–41–522–375–290–216
German	
06.30–07.00	49–41–31–25
16.00–17.00	49–41–227–216
17.30–18.30	49–227–216
19.00–19.30	49–227–216
20.00–21.30	49–227–216
21.30–22.30*	49–522–290–227–216
Greek	
15.30–16.00	49–41
16.30–17.00	49–41
19.00–19.30	49–41–397–321
20.00–20.30	49–41–397–363–300
Hungarian	
14.10–14.40	556 (Wed. only)
15.00–15.30*	49–41 (Mo., Fri. only)
17.00–17.30	49–41
17.30–18.00	556 (Sat. only)
18.00–18.30	344 (Mo., Tues., Thurs., Fri.)
18.30–19.00	556 (Sun. only)
Italian	
11.30–12.00	25–19
17.30–18.00	49–41
19.00–20.00	49–41–257
20.30–21.00	49–321–240
21.30–22.00	49–397–363–321–300–257–240
22.00–22.30*	49–41–321–300
Norwegian	
17.00–18.00	49–375 (Sun. only)
17.30–18.00	49–375 (exc. Sun.)
18.30–19.00	49–375
20.00–20.15	49–375
21.15–21.30	49–522–375–290
21.30–22.30	49–522–375–290–216
Polish	
14.30–15.00	367 (Sun. only)
15.30–16.00*	49–41
16.00–16.30	367 (Mo., Wed., Fri.)
16.00–16.30	1322 (Tues., Thurs., Sat.)
18.30–19.00	49–321
Portuguese	
21.00–21.30	49–41
Rumanian	
13.00–13.30	1935–397–206–202
15.00–15.30*	49–41 (Tues., Sat.)
17.00–17.30	49–41–257
19.00–19.30°	1935–351–285–261–206–202 (Mo.)
	1935–206–202 (Tues., Thurs.)
	351–285–261 (Wed. Fri. & Sat.)
°) Mo. & Wed. to 19.40.	
Spanish	
20.00–21.00	49–41
21.30–22.30	49–41
Swedish	**metre bands**
17.00–18.00	49–375 (Sun. only)
17.15–17.30	49–375 (W. only)
19.30–20.00	49–375
20.45–21.15	49–522–375–290
21.30–22.30*	49–522–375–290–216
Turkish	
10.00–10.30	31–25
16.00–16.25	49–41
18.00–18.30	49–41–348–300
19.30–20.00	49–41–300
To Yugoslavia:	
Serbian	
15.30–16.00	49–41
18.00–18.30	49–41–257–240
20.00–20.30	49–321–257–240
21.00–21.30	49–41–397–363–321–300
Slovenian	
16.00–16.30	49–41
20.30–21.00	49–41–397–363–300–257
Macedonian	
16.30–17.00	49–41
18.30–19.00	49–41–257

OVERSEAS SERVICE

TO NEAR EAST

Arabic	
15.30–16.00	49–41
17.30–18.00	49–41–348
18.30–19.30	49–41–348–300
Persian	
09.30–10.00	25–19
14.45–15.25	49–41–348
16.30–17.25	49–41–348

TO S. EAST ASIA

Vietnamese	
10.30–11.00	31–25–19
12.45–13.15	31–25–19
Indonesian	
11.30–12.00	31–25–19
13.30–14.00	31–25
English	
13.15–13.30	31–25–19
14.00–14.45	31–25
Hindustani	
14.45–15.15	31–25
Bengali	
15.15–16.00	31–25

TO FAR EAST

Chinese	
08.30–09.00	49–547–477–457–422
10.00–10.30	49–31–25–19 547–477–457–422
11.00–11.30	49–41–31–25–19 547–477–457–422
12.00–12.45	31–25–19
14.00–15.00	49–41–31–547–477–457
Japanese	
09.30–10.00	49–547–477
10.30–11.00	49–41–31–25–547–477
12.00–12.45	49–41–31–25 547–477–340
13.15–14.00	49–547–477–340
21.30–22.00	49–31–547–477
Korean	
09.00–09.30	49–547–477–422
11.30–12.00	49–41–31–25 547–477–422
12.45–13.15	49–41–31–547–477–422
21.00–21.30	49–31–547–477–422
22.00–22.30	49–31–547–477–422
Mongolian	
09.30–10.00	41–31–25–1829–457
13.15–14.00	41–31–1829–457

TO NORTH AMERICA (USA)

English	metre bands
23.00–23.20	49–41–31
23.20–00.30	49–41–31–19
00.30–01.30	41–31–19
01.30–05.30	49–41–31
05.30–06.00	41
06.00–07.00	49–31

TO LATIN AMERIKA

23.00–24.00	41–31	**Portuguese**
00.00–02.00	41–31	**Spanish**

VATICAN STATE

ADDRESS: Vatican Radio, Vatican City. Cable: Vatican-Radio.

LEADING PERSONALITIES: Dir. Gen.: Rev. Prof. Antonio Stefanizzi S. J.. Dir. of Progr.: Rev. Francesco Pellegrino S. J.. Dir. Tec.: Dott. Ing. Tullio Gorio.

STATIONS:

Medium Waves:

	kc/s	m	kW		kc/s	m	kW
HV2	773	388.1*)	2	HV100	1529	196.2	100
HV5	1484	202.2	5				

*) daylight hours only.

Short Waves: 5/25/50/100 kW**).

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3955	75.85	7270	41.27	11740	25.55	17735	16.92
5968	50.27	7280	41.21	11940	25.13	17840	16.82
6005	49.96	9550	31.41	15095	19.87	21515	13.94
6030	49.75	9646	31.10	15120	19.84	21740	13.80
6190	48.47	9660	31.06	15385	19.50	25740	11.66
7250	41.38	11685	25.67	17445	17.20	25780	11.64

**) The wave-lengths are subject to change with seasonal variations, or to avoid interference.

	Apr./Sept.	Oct./March
Abyssinian:		
16.45 Tues., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s.
Albanian:		
17.30 Tues., Thurs., Sat.	— „ —	— „ —
Arabic:		
17.15 Sun., Tues., Sat.	— „ —	— „ —
Bulgarian:		
17.15 Mo., Thurs.	— „ —	— „ —
Chinese:		
10.15 Thurs.	15120, 17840 kc/s	11685, 15120 kc/s
Croat:		
14.00 Sat.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
17.00 Sun., Mo., Wed., Fri.	— „ —	6030, 7280, 9646, 11685, 1529 kc/s
Czech:		
12.30 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
19.30 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
Dutch:		
14.00 Fri.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
18.00 Thurs., Sun.	— „ —	6030, 7280, 9646, 11685, 1529 kc/s
English:		
15.00 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
18.15 D.	— „ —	6030, 7280, 9646, 11685, 1529 kc/s
16.00 Thurs. For India, Pakistan, Ceylon.	11685, 21740 kc/s	9646, 11685 kc/s
French:		
11.45 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
14.30 D.	— „ —	— „ —
18.45 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
07.30 Thurs. For W. Africa	15120, 17735 kc/s	11685, 15120 kc/s
German:		
12.45 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
14.45 D.	— „ —	— „ —
19.45 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s

	Apr./Sept.	Oct./March
Hungarian:		
13.00 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
21.00 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
Italian:		
13.30 D.	6030, 9646, 1529, 773 kc/s	6030, 9646, 1529, 773 kc/s
20.00 D.	1529, 773 kc/s	1529, 773 kc/s
20.15 D.	6030, 7280, 9646, 11685, 1529, 773 kc/s	6030, 7280, 9646, 11685, 1529, 773 kc/s
16.00 Fri. For the sick	6030, 7280, 9646, 11685, 1529 kc/s	6030, 9646, 11685 1529 kc/s
07.30 Mo., Wed., Sat. For M.East.	11685, 15120 kc/s	9646, 11685 kc/s
Latin:		
07.50 Mo., Thurs., Sat.	9646, 11685 kc/s	9646, 11685 kc/s
16.45 Mo., Wed., Sat.	7280, 9646, 11685, 15120, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
21.15 Tues., Wed., Fri.	6030, 7280, 9646, 11685, 1529 kc/s	— „ —
Latvian:		
17.30 Mo., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
Lithuanian:		
14.00 Sun., Tues., Thurs.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
18.00 Mo., Wed., Sat.	— „ —	6030, 7280, 9646, 11685, 1529 kc/s
Polish:		
12.15	7280, 9646, 11,685 15120, 1529 kc/s	— „ — — „ —
15.15 D.	— „ —	— „ —
19.15 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
Portuguese:		
15.30 D.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
20.00 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685 kc/s
08.00 Wed. For Mozambiq.	15120, 17840 kc/s	15120, 17840 kc/s
Rumanian:		
14.00 Mo.	7280, 9646, 11685, 15120, 1529 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
17.30 Sun., Wed.	— „ —	6030, 7280, 9646, 11685, 1529 kc/s
Russian:		
17.45 D.	— „ —	— „ —
Slovak:		
12.00 D.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
19.00 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
Slovene:		
14.00 Wed.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
17.00 Sun., Tues., Thurs., Sat.	7280, 9646, 11685, 15120, 1529 kc/s	— „ —
Spanish:		
14.15 D.	— „ —	— „ —
20.45 D.	6030, 7280, 9646, 11685, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
21.30 Thurs. For S.America	11685, 15120 kc/s	9646, 11685 kc/s
Swedish/Danish/Norwegian:		
15.45 Wed.	7280, 9646, 11685, 15120 kc/s	7280, 9646, 11685, 15120, 1529 kc/s
Ukrainian:		
18.00 Tues., Fri.	7280, 9646, 11685, 15120, 1529 kc/s	6030, 7280, 9646, 11685, 1529 kc/s
White Ruthenian:		
17.15 Wed., Fri.		— „ —
Musical Concert:		
16.30 Thurs.	— „ —	7280, 9646, 11685, 15120, 1529 kc/s
Sunday Service:		
08.00 Mass in Latin Rite. Music during the Mass. Gospel homily for 15 min. after Mass, alternately in different languages.	6030, 9646, 11685, 15120 kc/s	6030, 9646, 15120 kc/s
Oriental Liturgy:		
09.00 (Homily in respective languages)	7280, 9646, 11685, 15120 kc/s	7280, 9646, 11685, 15120 kc/s
Religious Transmission:		
10.15	— „ —	— „ —

OPENING SIGNAL: The bells of St. Peter's.

ANNOUNCEMENT: "Laudetur Jesus Christus. Praised be Jesus Christ. This is Vatican Radio".

INTERVAL-SIGNAL: Carillon-Melody "Christus Vincit" executed on the celesta with orchestral accompaniment.

VERIFICATION: Listeners comments welcomed and answered. Return postage not required.

YUGOSLAVIA

ADDRESS: R. Beograd: Yugoslav Radiodifusion, 19, Knez Mihajlova Belgrade. **For Listeners' Letters:** Radio Beograd, Emisije za inostranstvo, Beograd, 2, Hilendarska.

Jugoslovenska radiodifuzija, Beograd, 19, Knez Mihajlova, p.f. 284. **R. Zagreb:** 4 Jurisicevast, Zagreb. – **R. Ljubljana:** 17 Tavcarjeva St. Ljubljana.

LEADING PERSONALITIES: President of the Broadcasting Committee: Zlatko Sinobad. Secretary of the Broadcasting Committee: Mrs. Olivera Vojvodic.

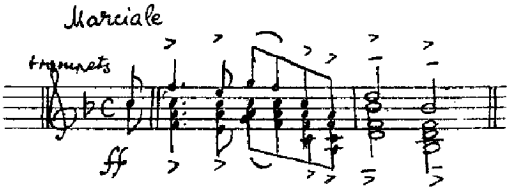
HOME SERVICE:

	kc/s	m	kW		kc/s	m	kW
Sarajevo	611	490,9	20	Rijeka	1412	212	15
Belgrade 1	683	439	150	Maribor	1412	212	5
Skoplje	809	370,9	20	Belgrade 2	1484	202.1	1.5
Titograd	881	340,5	20	Zagreb 2/			
Ljubljana	917	327,1	135	R. Sljeme	1484	202	2
Zagreb 1/Split	1133	264,7	135	Nis	1484	202	2
Capodistria	1169	257	6	Osijek	1484	202	0,8
Novi Sad	1268	236,6	100	Dubrovnik	1484	202	0,8
Pristina	1412	212,4	20	Bitola	1484	202	0,5

DAILY PROGRAMMES: R. Belgrade: W: 04.30–23.00. Sun. 05.00–23.05. N.: 04.45; 05.30; 09.00; 12.00; 14.00; 16.00; 19.30; 21.00; 23.00. **R. Zagreb:** W: 04.00–07.45; 10.00–24.00. Sun. 05.30–22.45. N.: 04.15, 05.15; 12.00; 14.00; 16.30; 19.00; 21.00; 21.55. **R. Ljubljana:** W: 05.00–07.00; 10.00–23.00. Sun. 05.00–23.00. N.: 04.05; 05.00; 06.00; 11.30; 14.00; 16.00; 21.00. **R. Sarajevo:** W.: 05.00–07.20; 12.00–22.00. Sun. 05.00–22.00. **R. Skoplje:** W.: 04.10–07.00; 12.00–21.00. Sun. 04.10–22.00. **R. Titograd:** W.: 05.00–07.00; 12.00–21.00. Sun.: 05.00–21.00. **R. Novi Sad:** W.: 04.25–23.00. Sun. 04.25–23.00. **R. Pristina:** W.: 05.00–06.30; 13.00–21.35. Sun. 05.30–21.35.

ANNOUNCEMENT: "Ovde Radio Beograd". – "Ovde Radio Zagreb".

INTERVAL-SIGNAL: Radio Belgrade: The beginning of the "Internationale".



VERIFICATION by letter.

FOREIGN SERVICE:

STATIONS: R. Belgrade 10/100 kW: 6100 kc/s 49.18 m – 7200 kc/s 41.67 m – 9500 kc/s 51.56 m.

Albanian:
16.45–17.00 } on 881, 1412
20.30–21.00 }

Bulgarian:
18.00–18.30 on 6100, 7200, 1133.
21.45–22.00 on 809, 1133 kc/s.

Czech:
21.00–21.30 on 6100, 7200, 1268.
22.30–22.45 on 1133, 917 kc/s.

English:
18.30–18.45 on 6100, 7200 kc/s
22.15–22.30 on 1268, 1133, 917.

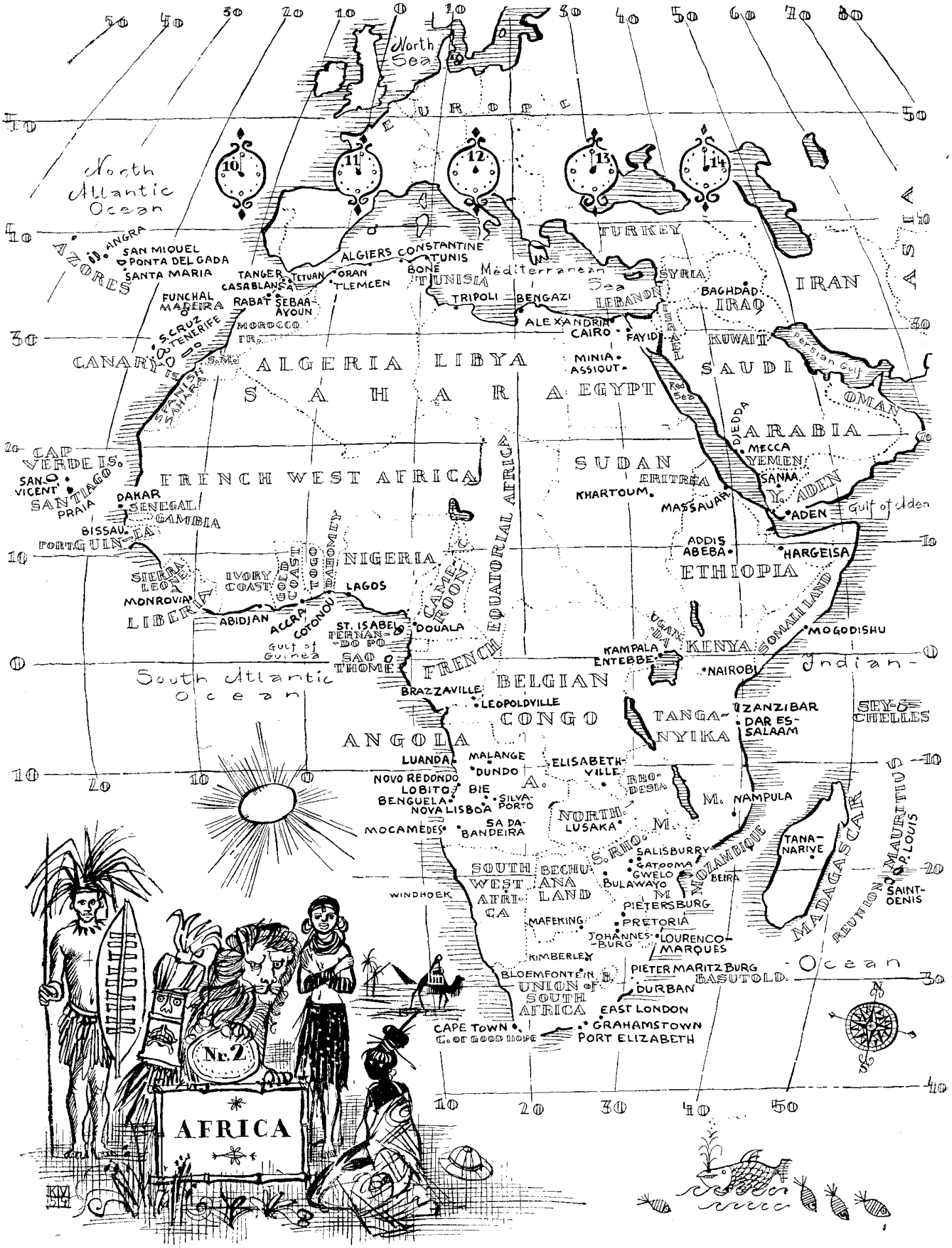
French:
19.30–19.45 on 6100, 7200, 1268.
19.00–19.15 on 1133, 917 kc/s.

Polish:
19.45–20.00 on 6100, 7200 kc/s.
22.00–22.15 on 6100, 7200, 1268.

Russian:
19.00–19.30 on 6100, 7200 kc/s.
22.15–22.45 on 6100, 7200, 683

Spanish:
21.30–22.00 on 6100, 7200, 1268.
22.30–22.45 on 1268 kc/s.

ANNOUNCEMENT: "Ic i la Yougoslavie, Belgrade vous parle". "This is Yugoslavia, Radio Belgrade calling". etc.


North Sea
EUROPE
North Atlantic Ocean
AZORES
ANGRA
SAN MIQUEL
PONTA DEL GADA
SANTA MARIA
FUNCHAL
MADEIRA
CANARY IS.
S. CRUZ
TENERIFE
SPANISH SAHARA
TANGER
CASABLANCA
TETUAN
RABAT
SEBAA AYOUN
ORAN
TLEMCEN
ALGIERS
CONSTANTINE
TUNIS
BONE
TUNISIA
TRIPOLI
BENGAZI
Mediterranean Sea
TURKEY
SYRIA
LEBANON
ISRAEL
BAGHDAD
IRAQ
IRAN
KUWAIT
SAUDI ARABIA
Persian Gulf
OMAN
ALEXANDRIA
CAIRO
FAYID
MINIA
ASSIOUT
ALGERIA
LIBYA
SAHARA
EGYPT
Red Sea
DJEDDA
MECCA
YEMEN
SANAA
Y. ADEN
ADEN
Gulf of Aden
CAP VERDE IS.
SAN VICENT
SANTIAGO
PRAIA
DAKAR
SENEGAL
GAMBIA
BISSAU
PORTGUIN-EA
FRENCH WEST AFRICA
SUDAN
ERITREA
KHARTOUM
MASSAUAH
SIERRA LEONE
MONROVIA
LIBERIA
IVORY COAST
GOLD COAST
DAHOMEY
NIGERIA
LAGOS
ABIDJAN
ACCRA
COTONOU
CAMEROON
ST. ISABEL
FERNAN-DO PO
DOUALA
Gulf of Guinea
SAO THOME
FRENCH EQUATORIAL AFRICA
ADDIS ABEBA
HARGEISA
ETHIOPIA
UGANDA
KAMPALA
ENTEBBE
KENYA
SOMALI LAND
MOGODISHU
NAIROBI
Indian Ocean
South Atlantic Ocean
BRAZZAVILLE
LEOPOLDVILLE
BELGIAN CONGO
ANGOLA
ZANZIBAR
DAR ES-SALAAM
TANGA-NYIKA
SEY-CHELLES
LUANDA
MALANGE
DUNDO
ELISABETH-VILLE
NOVO REDONDO
LOBITO
BIE
BENGUELA
NOVA LISBOA
SILVA-PORTO
SA DA-BANDEIRA
MOCAMEDES
RHO-DESIA
NORTH-LUSAKA
M. NAMPULA
S. RHO.
SALISBURRY
GATOOMA
GWELO
BULAWAYO
MOZAMBIQUE
BEIRA
TANA-NARIVE
MADAGASCAR
MAURITIUS
P. LOUIS
REUNION
SAINT-DENIS
SOUTH WEST AFRI-CA
BECHU-ANA LAND
WINDHOEK
MAFEKING
PIETERSBURG
PRETORIA
JOHANNES-BURG
LOURENCO-MARQUES
KIMBERLEY
BLOEMFONTEIN
PIETER MARITZ BURG
BASUTOLD.
UNION of SOUTH AFRICA
DURBAN
EAST LONDON
CAPE TOWN
C. OF GOOD HOPE
GRAHAMSTOWN
PORT ELIZABETH
Nr. 2
AFRICA

map Africa

AFRICA

ALGERIA (French)

RADIO ALGERIA (Govt.).

ADDRESS: Radiodiffusion Française, 10 rue Hoche, Alger.

LEADING PERSONALITIES: Dir. Regional: Mr. Gayraud. Eng. Regional: Mr. Godin. Chief Editor: Mr. Godiveau. Dir. Progr.: Mr. Vandelle. Dir. Arabic Progr.: Mr. Grinda.

HOME SERVICES:

FRENCH NETWORK: Mo., Tues. Wed., Fri.: 06.30–09.00, 12.00–14.10, 18.00–23.00. Thurs. 06.30–09.00, 12.00–23.00. Sat. 06.30–09.00, 12.00–24.00. Sun. 07.00–23.00. Exceptions: Bône 18.00–23.00 (Sat. 24.00). Alger OCI 12.00–14.10(Thurs., Sat., Sun. 18.00).

	kc/s	m	kW		kc/s	m	kW
Alger I	980	306.1	75	Bone	1484	202.2	0.2
Constantine I	1142	262.7	20	Alger OCI	6160	48.70	25
Oran I	1142	262.7	40				

N: 06.30(W.), 07.30, 12.45, 14.00(W.), 18.00(W.), 19.00(W.), 20.00, 22.50(W.). – **Request Progr.:** Sun.: 10.00–11.00, 12.15–12.45. – **Religious Progr.:** Sun.: 08.00–08.20, 08.35–09.05. – **Mailbag:** Sun.: 18.30–18.45. – **Sport:** Sun.: 19.00–19.15. – **Weatherrep.:** 12.45, 20.00. – **Time Sign.:** 07.30, 12.45, 19.00, 20.00, 22.50.

ARABIC NETWORK W. exc. Thurs.: 06.30–07.30, 11.30–13.30, 17.15–22.30. Thurs.: 06.30–08.00, 11.30–15.00, 17.15–22.30. Sun.: 07.00–09.00. 11.30–14.00, 16.45–22.30. Exception: Alger OCI 19.30–22.30.

	kc/s	m	kW		kc/s	m	kW
Alger II	890	337.1	50	Oran II	1304	230.0	40
Constantine II	1304	230.0	20	Alger OCI	6160	48.7	25

N.: 06.45(Mo.), 07.20(exc. Mo.), 07.45(Sun.), 12.00(Fri.), 12.30(exc. Fri.), 19.30, 22.10. – **Arabic Music:** D.: 11.50.

KABYL NETWORK: W.: 06.30–07.30, 12.00–13.00(Thurs. 14.00), 18.00 (Sat. 17.00)–19.30. Sun.: 07.00–08.30, 12.00–14.00, 18.00–19.30. Exceptions: Michelet 18.00(Sat. 17.00)–19.30, Alger OCI 18.00(Sat. 17.00)–19.30.

	kc/s	m	kW		kc/s	m	kW
Alger III	1421	211.2	5	Bongie	1594	188.2	0.6
Michelet	1484	202.2	0.75	Alger OCI	6160	48.7	25

N.: 07.20(W.), 08.05(Sun.), 12.00, 18.00. – **Kabyl Music:** Mo. 12.15, 18.30. – **Mailbag:** Sun.: 13.00.

ANNOUNCEMENT: **French:** "Ici Alger Radiodiffusion Francaise". – **Arabic:** "Radiodiffusion Française – Ici Alger – Emission en langue Arabe". – **Kabyl:** "Radiodiffusion Francaise – Ici Alger".

INTERVAL-SIGNAL: **French Network:** "La Casquette". – **Arabic Network:** At the beginning and the end of each transmission "Lahn Hanin" by Salim Hellali. – **Kabyl Network:** After last transmission of the day "Marseillaise".

VERIFICATION by letter or QSL-card.

FUTURE PLANS: FM stations at Alger, Oran and Constantine to be installed during 1955.

ANGOLA (Portuguese West Africa)

RADIO CLUBE DE ANGOLA

ADDRESS: Caixa postal 229, Luanda. Cable: Radangola Luanda.

LEADING PERSONALITIES: Pres: Com. Manuel de Albuquerque e Castro. Secretary: Eng. Albano Martins da Costa. Chanceler: Henrique Moreira. Production Man.: Antonio dos Santos e Sousa. Technical Man.: Eng. Alirio Augusto Palmeiro.

HOME SERVICE in Portuguese:

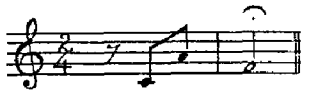
W.: 06.00–07.00, 11.00–13.30, 17.15–21.30(Sat. 22.30). Sun.: 08.00–13.30, 15.30–21.00.

CR6–RL	9632 kc/s	31.15 m	1 kW	(First Progr.).
CR6–RA	7142 –	42.01 –	0.25 –	(Sec. –)
CR6–RN	4869 –	61.60 –	1 –	(Sec. –)
CR6–RC	in operation temporarily 0.10 kW.			

National Music: 06.30–06.40, 11.15–11.30, 13.00–13.15, 17.45–18.00, 20.00–20.30. – N.: 06.20–06.30, 12.00–12.15, 19.00–19.15, 20.30–20.35, 21.25–21.30. – **Listener's Choice:** Sun.: 08.30–10.30, 15.30–16.30, 17.30–18.00, 18.30–19.00. – **Sports:** Mo. 18.20–18.45. – **Selected Music:** 12.15–14.00, 19.15–20.00 (in the first progr.). – **Composite Progr.:** W.: 11.30–11.40, 18.20–18.40, 19.30–19.40 (in the second progr.) and 21.00–21.25 (variety) Sun. 09.00–09.30, 10.45–11.00, 11.30–12.15, 16.30–17.00, 19.00–19.45. – **Children's Progr.:** Sun. 12.30–13.00, 18.00–18.30.

ANNOUNCEMENT: "Luanda, capital de Angola, provincia de Portugal em Africa, fala Rádio Clube de Angola, a vossa estaçao".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card and by radio (Sat. 20,30).

FUTURE PLANS: At the end of this year we will have our new production building and studios equipped with all modern equipment.

RADIO CLUB DE BENGUELA (Commercial).

ADDRESS: Caixa Postal No. 19, Benguela. A.O.Portuguesa.

LEADING PERSONALITIES: Pres: Gastao Vinagre. Vice-Pres: Manuel da Silva Martins. Treasurer: Antonio Fernando Lobo.

HOME SERVICE in Portuguese:
CR6RF 5042 kc/s 59.48 m 1 kW – CR6RB 9502 kc/s 31.57 m 1 kW. W.: 05.45–06.45, 11.00–12.45, 17.30–21.00. Sun.: 10.00–14.00, 17.30–21.00. – **Progr. Preview:** 06.40, 20.50.

ANNOUNCEMENT: "Senhores ouvintes muito bom dia, senhores ouvintes muito boa tarde, senhores ouvintes muito boa noite, daqui fala-lhes Radio Club de Benguela".

INTERVAL-SIGNAL: Xylophone. Opens with marimba solo.

VERIFICATION by QSL-card.

RADIO CLUBE DO BIE (Commercial).

ADDRESS: Caixa Postal 33, Silva Porto.

HOME SERVICE in Portuguese: CR6RO: 4842 kc/s 61.69 m 0.2 kW – 7203 kc/s 41.65 m 1 kW: 06.15–06.45, 11.30–12.30, 16.30–18.00, 19.00–20.30.

ANNOUNCEMENT: "Radio Club do Bié".

INTERVAL-SIGNAL: Guitar.

VERIFICATION by QSL-card.

RADIO DIAMANG (Private non-commercial).

Owned by Companhia de Diamantes de Angola, Dundo.

ADDRESS: Radio Diamang, Dundo.

LEADING PERSONALITY: President: Eng. R. S. de Sousa.

HOME SERVICE: W.: 18.00–19.30. Sun.: 11.00–12.30.

	kc/s	m	kW		kc/s	m	kW
CR6RG	4770	62.89	1	CR6RR	7070	42.42	1
CR6RR	6870	43.63	1	CR6RS	8300	36.10	1
CR6RI	9340	32.10	1	inactive			

ANNOUNCEMENT: "Aqui Dundo, Angola, Africa Ocidental Portuguese, Estacao Emissora CR6RG, Radio Diamang".

INTERVAL-SIGNAL: At opening notes from "quissange" played on native musical instrument, followed by the march "Calling all Workers". At close down chimes followed by Portuguese National Anthem. VERIFICATION by QSL-card.

RADIO CLUBE DE HUAMBO (Commercial).

ADDRESS: Caixa Postal 125, Nova Lisboa.

HOME SERVICE in Portuguese:
CR6RD 4852 kc/s 61.84 m 1 kW
CR6RD 7105 kc/s 42.22 m 0.15 kW } W.: 11.00–13.00, 17.30–21.00.
CR6RD 9705 kc/s 30.91 m 1 kW } Sun.: 12.15–16.45
CR6RQ 11926 kc/s 25.16 m 1 kW

ANNOUNCEMENT: "Aqui Nova Lisboa, Angola".

INTERVAL-SIGNAL: Notes from "Blue Danube".

VERIFICATION by QSL-card.

RADIO CLUBE DE HUILA (Commercial).

ADDRESS: Caixa Postal 111, Sá da Bandeira.

HOME SERVICE in Portuguese:
CR6RH 9755 kc/s 30.76 m 1 kW
CR6RJ 5024 – 59.71 – 0.4 –
W.: 11.15–12.45, 18.00–21.00. Sun.: 11.15–13.30.

ANNOUNCEMENT: "Radio Clube da Huila".

INTERVAL-SIGNAL: First movement from "Minho".

VERIFICATION by QSL-card.

RADIODIFUSORA LOBITO (Commercial).

ADDRESS: Estaçao Radio Difusora CR6AA, P.O.Box 103, Lobito. Cable: Radiodifusora.

LEADING PERSONALITY: Owner: Alvaro de Carvalho.

HOME SERVICE in Portuguese & English: CR6AA 1 kW. 7106 kc/s 42.22 m – 4806 kc/s 62.43 m (irreg.) – 5033 kc/s 59.59 m 06.00–07.00 on 7106 kc/s in Portuguese; 11.30–12.45 on 7106, 5033 kc/s and 16.00–22.00 on 7106 kc/s.

ANNOUNCEMENT: Portuguese: "Lobito, Angola, Africa Ocidental Portuguesa. Estaçao Radio Difusora CR6AA". – English: "This is Lobito, Angola, Portuguese West Africa, Short Wave Broadcasting Station CR6AA".

INTERVAL-SIGNAL: 3 gong notes. – VERIFICATION by QSL-card.

RADIO CLUBE DE MOCAMEDES (Commercial).

ADDRESS: Caixa Postal No. 174, Mocamedes.

HOME SERVICE: 11.45–12.30, 19.30–20.30.
CR6RM 7230 kc/s 41.49 m 1 kW.

VERIFICATION by letter.

RADIO CLUBE DE MALANGE (Commercial).

ADDRESS: Caixa Postal no. 83, Malange.

LEADING PERSONALITIES: Pres.: A. M. Lopes. Secretary: A. M. Correia.

HOME SERVICE: Portuguese: CR6RE 7140 kc/s 42.02 m 0.6 kW W.: 11.30–13.00, 17.00–19.30. Sun.: 07.00–08.30, 12.30–14.00.

ANNOUNCEMENT: "Radio Clube de Malange".

INTERVAL-SIGNAL: The march "O piranga".

VERIFICATION by QSL-card.

RADIO CLUBE DO SUL ANGOLA (Commercial).

ADDRESS: Caixa Postal 56, Lobito.

HOME SERVICE: CR6RK 3420 kc/s 87.72 m 0.75 kW.

DAILY PROGRAMMES: 11.00–13.00, 16.30–18.30, 20.00–22.00.

INTERVAL-SIGNAL: 4 notes on guitar from "Maria da Fonte".

RADIO CLUBE DO CUANZA SUL (Commercial).

ADDRESS: Caixa Postal No. 10, Novo Redondo.

HOME SERVICE in Portuguese: CR6RP 7805 kc/s 38.43 m 0.2 kW 11.15–11.45, 17.30–19.30.
Times and frequency subject to alteration April/May.

ANNOUNCEMENT: "Radio Clube Cuanza Sul".

INTERVAL-SIGNAL: Guitar. – VERIFICATION by QSL-card.

BECHUANALAND (British Protectorate)

ADDRESS: ZNB Broadcasting Station, c/o Director of Public Works, Box 106, Mafeking.

STATIONS: ZNB 8230 kc/s 36.45 m 0.25 kW
5900 – 50.84 – 0.25 –

DAILY PROGRAMMES: 11.00–12.00, 17.00–19.00(Sun. 18.00–19.00)

VERIFICATION by QSL-card. Return postage required.

BELGIAN CONGO

THE INTERNATIONAL GOODWILL STATION OTC (see Belgium).

RADIO CONGO BELGE (Government).

ADDRESS: P.O.Box 3171, Leopoldville, Kalina.

LEADING PERSONALITIES: Vice Dir.: Gustave van Herreweghe. Chief of African Progr.: A. Seohy. Chief French Progr.: L. Lhermitte. Chief Flemish Progr.: W. Vertommen. Chief News Service: Beckers. Chief Musical Progr.: F. van Durme. Studio Man.: R. Cottereau.

HOME SERVICE:
For Europeans (F=French, Fl=Flemish):

Call.	kc/s	m	kW		
OTM1	6140	48.86	3	05.00–06.30,	15.30–21.00
			0.8	10.15–12.30	
O1M2	9380	31.99	50	05.00–06.30	
			50	15.30–21.00	
OTM4	11720	25.60	50	10.15–12.30	

N.: 05.00(F), 05.10(Fl), 06.00(F), 06.10(Fl), 10.30(F), 10.38(Fl), 11.30(F), 11.40(Fl), 17.00(F & Fl), 18.00(Fl), 18.45(F), 20.45(F), 20.53(Fl).

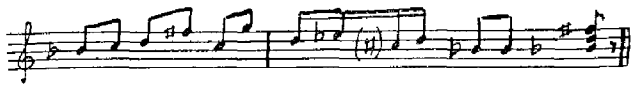
For Natives in Belgian Congo & Ruanda-Urundi:

Call.	kc/s	m	kW	
OTH	6140	48.86	10	16.30–18.30(D)
OTH	9210	32.57	20	10.30–12.00(W.), 16.30–19.00(D)
OTH	11670	25.70	20	10.30–12.00(Sun. only)

N.: 17.00–17.15 in Lingala (Mo., Fri.), Kiswaheli (Tues.), Tshiluba (Wed.), Kikongo (Thurs.), French (Sat. & Sun.). 18.15–19.00 French(D).

ANNOUNCEMENT: In French: "Ici Radio Congo Belge". In Flemish: "Hier Radio Belgisch Kongo".

INTERVAL-SIGNAL: Native xylophone beat.



VERIFICATION by QSL-card.

RADIO COLLÉGE (Private)

ADDRESS: Radio Collége, B.P.296, Elisabethville.

LEADING PERSONALITY: RR. P. P. Salesiens, Ecole Officielle pour Garçons Européens, Collége Saint François de Sales.

STATIONS: Elisabethville OQ2AC, 0.25 kW
3390 kc/s 88.50 m – 7200 kc/s 41.67 m – 4980 kc/s 60.25 m

DAILY PROGRAMMES in French. Fri. in Flemish. W. 16.30–17.30 Sun. 07.00–10.00. – Mo. Seance Recreative. – Tues. "Demi-heure des Jeunesses Musicales d'Elisabethville". – Thurs. "Quart d'Heure Collégien". – Fri. Progr. in Flemish. – Sat. Emission destinée aux Anciens Eléves du Collége". – Sun.: High Mass 07.00–08.00. Concert 08.00–10.00.

ANNOUNCEMENT: French: "Ici Radio-College, station de radiodiffusion privee situee au College Saint François de Sales, à Elisabethville, Congo-Belge". Flemish: "Hier Radio-College, eigen zender van het Sint Franciscus College te Elisabethstad, Belgisch Kongo".

INTERVAL-SIGNAL: Open with "Marche du Baron Tzigane (Joh. Strauss). Close with "Marche Indigo".

VERIFICATION by QSL-card. Return postage preferred.

RADIO LEO (Pr.-Religious. Operated by the Jesuits of Leopoldville).

ADDRESS: Collége Albert I, Leopoldville.

LEADING PERSONALITY: Rector of College Albert I'.

HOME SERVICE in French: Sun. only 08.00–10.00.
OQ 2AA 11720 kc/s 25.60 m 7 kW.
Programmes consists of: Music, actualities spirituelles (09.00–09.15), literary progr., progr. for the youth etc. – Special programmes on 1. Jan., 1. and 21. July, 15. Aug., 1. Nov. and 25. Dec. – Program Preview: at 08.00 and 09.55.
ANNOUNCEMENT: "Ici Radio Leo, Leopoldville, Congo Belge, station privée de Radiodiffusion du college Albert I".

RADIO ELISABETH – (financed by the suscriptions of listeners).

ADDRESS: A.F.M. Schovens, Box 1039, Elisabethville.
STATIONS: Elisabethville. OQ2AB 0.25 kW.
7150 kc/s 41.96 m – 11900 kc/s 25.21 m: 13.30–16.00 (Sun. only).
VERIFICATION by QSL-card.

CAMEROON (French)

ADDRESS: Bureau de l'Information. Service de la Radiodiffusion, Douala.
Station: 6115 kc/s 49.06 m 1 kW.
HOME SERVICE in French: 17.30–20.00 (Sun. also 10.00–13.00) N.: 18.15, 20.00.
ANNOUNCEMENT: "Ici R. Douala". VERIFICATION by letter.
Future Plans: The station will be improved in January 1955 and new wavelengths will be adopted.

CANARY ISLANDS

RADIO LAS PALMAS (Comm.).

ADDRESS: Calle Triana num. 134 bis Las Palmas de Gran Canaria.
LEADING PERSONALITIES: Director D. Pedro Pastor Segura. Director of Programmes: D. Ignacio H. de la Mota.
HOME SERVICE in Spanish: D.: 12.30–16.30, 19.00–01.00
EAJ50 1313 kc/s 228.5 m 0.5 kW. – Weatherrep.: 14.30.
ANNOUNCEMENT: Spanish: "Esta es la emisora EAJ50, Radio Las Palmas". English: "This is the broadcasting station EAJ50 Radio Las Palmas".
INTERVAL-SIGNAL: Pasodoble: "Islas Canarias".
VERIFICATION by letter. Return postage not required.

RADIO ATLANTICO (Comm.)

Address: Radio Atlantico, Buenos Aires 26, Las Palmas, Gran Canaria. – Station: Testtransmissions on 9420 kc/s (Varying). – Verification: The station asks for reports.

CAPE VERDE ISLANDS

RADIO CLUBE DE CABO VERDE, Praia, Isle of Santiago.

LEADING PERSONALITIES: Pres.: M. T. Dias. Vice-Pres.: A. J. Barbosa da Silva.

HOME SERVICE in Portuguese:
CR4AA 5895 kc/s 50.90 m 0.4 kW – 7135 kc/s 42.05 m 3 kW: 20.00–22.00. News: 20.45, 21.30. Weatherreport: 21.15.

VERIFICATION by QSL-card.

RADIO CLUBE MINDELO, St. Vicente.

LEADING PERSONALITY: Pres.: Dr. A. Pereira.

HOME SERVICE in Portuguese:
CR4AB 7180 kc/s 41.78 m 0.06 kW 22.00–24.00.

VERIFICATION by letter.

DAHOMEY (French West Africa)

RADIO COTONOU (Govt.)

ADDRESS: Radio Cotonou, Boite Postale 366, Cotonou.

LEADING PERSONALITY: Dir. Adm.: C. Bertault.

HOME SERVICE:
French: 06.30–07.00, 17.00–19.15. N.: 18.45. – Fon and Nago: 17.00–18.00.
1480 kc/s 202 m 1 kW – 7190 kc/s 41.72 m 0.28 kW

Future Plan: In 1955 increase of power s.w.; and times of transmission from 3½ hours to 4½ hours.

EGYPT

EGYPTIAN BROADCASTING SERVICE (Govt.).

ADDRESS: Broadcasting House, Cairo. Cable: Kahiradio.

LEADING PERSONALITIES: Dir. Gen.: Amin Hammad. Deputy Gen. Man. for Engineering: Salah Amer. Controller Arabic Progr.: Abdel Hamid Younis. Controller Overseas Progr.: Abdel Hamid El Hadidi. Chief Engineer: M. Ezeldin Fouad.

STATIONS:	kc/s	m	kW		kc/s	m	kW
Medium Waves:							
Cairo I	557	538.6	20	Minia	1079	297.8	2
Cairo II	773	388.0	50	Sohag	1142	262,7	
Cairo III	620	483.9	100	Luxor	Not yet on service		
Assiut	980	306.0	2				

Short Waves: Cairo 40/50/100 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6085	49.30	9475	31.66	11925	25.15	15315	19.59
7050	42.52	9790	30.60	12030	24.94	17725	16.92

HOME SERVICES

ARABIC I: On 773, 980, 1079, 1142 kc/s
Thurs.: 04.00–10.00, 12.00–13.00, 15.00–22.00. Fri.: 06.00–13.00, 15.00–22.30. Other days: 04.15–07.00, 08.00–10.00, 12.00–13.00, 15.00–22.30.
News: 05.00, 12.30, 17.00, 20.30, 21.00.

ARABIC II: (Voice of the Arabs and Sudan Affairs): On 12030, 7050, 620 kc/s: 15.00–18.30. News: 17.00.

NON ARABIC HOME SERVICE: On 557 kc/s:
Mo.–Thurs.: 05.30–07.00, 10.30–13.00, 15.00–21.00. Fri.: 05.30–13.00, 15.00–22.00. Sat.: 05.30–07.00, 10.30–13.00, 15.00–22.00. Sun.: 05.30–13.00, 15.00–22.00.
News in French: 06.00, 12.00, 19.00. News in English: 18.45. News in Greek: 16.45. News in Italian: 19.45.

ANNOUNCEMENT: Arabic: "Huna El Kahira". – French: "Ici Le Caire". – English: "This is Cairo".

INTERVAL-SIGNAL: Camel bells. – VERIFICATION by QSL-card.

FOREIGN SERVICE

TO MIDDLE EAST AND AFRICA in 41, 31. 25 m.b.
Arabic:
04.25–07.00, 12.00–13.00 (Fri. 05.00–13.00 relay Home Service (Arabic I)
13.00–13.15 Dictation News
15.00–1830 relay Home Service (Arabic II)
18.30–21.15 relayHome Service (ArabicI)
21.15–21.30 Dictation News.
21.30–22.30 relay Home Service (Arabic I) Thurs. only.

News: 05.00, 12.30, 17.00, 20.30, 21.00. – Koran: 04.30 (Fri. 05.25), 18.00. – Friday Devotions: 09.15. – "Sudan Affairs": 15.00–16.30. – "Voice of the Arabs": 16.30–18.30.

Persian, Hebrew, Swahili, Turkish in 49, 25 m.b.
13.00–13.15 Hebrew. News.
15.00–16.00 Persian. Qur'an, N. and Features.
16.00–16.30 Swahili. N. and Features.
16.30–17.00 Turkish. Qur'an, N. and Features.

TO FAR EAST:
Indonesian, Arabic, English and Urdu: 11.30–14.30 in 19 m.b.
11.30–12.30 Indonesian. Qur'an, N. and Features.
12.30–13.00 Arabic. N. Headlines, Qur'an, Arab Music.
13.00–13.30 English. N., and Features.
13.30–14.30 Urdu. Qur'an, N., and Features.

TO EUROPE:
English, French: 18.00–21.00 (Sat., Sun, 22.00) in 31 m.b.
18.00–19.00 English. N., and Features.
19.00–21.00 French. N., Music and Features.

ANNOUNCEMENT: Arabic: "Huna El Kahira". German: "Hier ist Kairo". French: "Ici Le Caire". English: "This is Cairo".

INTERVAL-SIGNAL: Camel bells.

VERIFICATION by QSL-card. Return postage not necessary. Reports are welcomed. Listeners programme-requests and comments should be addressed to "Overseas Service", Egyptian Broadcasting Cairo.

FUTURE PLANS: Progr. in German, Italian to Europe, in Arabic and English to N. America, and in Arabic, Spanish, Portuguese to S. America.

ERITREA

ARMED FORCES RADIO SCE. (U.S.A. Military).

ASMARA AFRS. (Massauah): 1000 kc/s 50 Watt. 03.30–24.00.

ETHIOPIA

RADIO ADDIS-ABEBA (Govt.)

ADDRESS: Ministry of Press and Information, P.O. Box 1364, Addis Abeba.

LEADING PERSONALITY: Ministry of Press and Information: H. E. A. Makonnen Habte Wold.

HOME SERVICE in Amharic. News and Ethiopian music.
W.: 11.00–12.00, 16.30–18.00. Sun.: 06.30–07.30, 16.30–18.00.
Addis Abeba:
ETHA 9620 kc/s 31.19 m 1 kW. ETAA 15345 kc/s 19.55 m 3 kW.

FOREIGN SERVICE
English:
04.30–05.00 Ethiopian Music for America, Europe.
10.00–11.00 Ethiopian Music and N., India.
15.30–16.30 for Middle East, E. Afric. Ethiopian N., Music*).
18.15–19.15 Ethiopian N., Music for W. Africa, Europe.
Tues.–Sat. 23.45 rebroadcast of UN-programme.
Tues. 15.30–16.00. Sun. 16.00–16.30.
*) Exc.: Tues. the first half hour; Sun. the last half hour only.
Arabic: 18.00–18.15. N., Music for Middle East.

ANNOUNCEMENT: "Radio Addis Abeba – The Voice of Ethiopia".

VERIFICATION by letter or postcard.

FRENCH EQUATORIAL AFRICA

CENTRE DE BRAZZAVILLE (Govt.)

ADDRESS: Radio Brazzaville B.P. 108, Brazzaville. Cable: Radiodiffusion, Brazzaville.

LEADING PERSONALITIES: Director A. Tailade. – Chief editor: L. Renault. – Foreign Transmissions: L. C. D. Joos. – Chief-Engineer: H. Defroyenne. – Director Music: J. Prevost. – Danish Progr.: Madame Agnete Coiquil, Chr. Adigard des Gautries. – Swedish Progr.: Swedish Evangelic Mission. – Dutch Progr.: L. O. D. Joos. – Dir. Music: J. Prevost.

STATIONS:

R. Brazzaville:				Radio A.E.F.:			
9440 kc/s	31.78 m	7 kW		1484 kc/s	202 m	0.8 kW	
11970 –	25.06 –	50 –		6074 –	49.38 –	4.5 –	
15595 –	19.23 –	50 –		9970 –	30.08 –	1.5 –	
				15595 –	19.23 –	1.5 –	

A F R I C A

↑
Nairobi: The Rumba Boys Orchestra playing in the Nairobi studios.

↑
Radio Dakar. From a record broadcast.

←
Nigeria: Spinner of outstanding charm Miss Udo Affica of the Nigerian Broadcasting Service at the turnables of the Lagos studios.
(Photo by "Nigeria")

↑
The first television station in Africa: The studios of TELMA, Casablanca, Morocco.

A cousin of H. M. Queen Salote of Tonga plays a melody on the nose-flute. BBC-photo. (BBC studio)
→

Radio Dakar Senegal Rumba Boys Orchestra Kenya Udo Affica Nigeria Queen Salote Tonga TV Telma Casablanca Morokko

French Equatorial Africa – Kenya

RADIO BRAZZAVILLE:

D. 05.00–07.20	11970 kc/s		Europa, N. East, Madagascar, Australasia.
	9440	–	W. Africa, W. U.S.A.
D. 10.00 (Sun. 09.00)–12.20	15595 kc/s		M. East, C. Europe, E. Africa, India, S.W. Africa.
D. 16.00 (Sun. 15.00)–17.55	6074	–	C. Africa, Angola
	11970	–	F. East, India, Madagascar, E. Africa
D. 18.00–21.00	11970	–	Europa, N.Africa, E.Africa, Madagascar
	9440	–	W. Africa
D. 21.00–23.00	11970	–	M. America, W. Africa
	9440	–	C. and S. America
D. 23.00–01.40	11970	–	C. and S. America, F. East
	9440	–	M. America

NEWS: French: D. 01.15, 05.00, 06.00, 07.00, 11.30, 12.15, 17.00, 18.30, 20.30, 21.15. **English:** D. 05.15, 10.15, 16.15, 18.15, 20.50, 22.45. – **Portuguese:** D. 19.15, 00.00. – **Spanish:** D. 01.00. **Progr. in Danish, Swedish, Dutch:** Wed. 20.00, 20.15. – **African Quizz Forum:** Thurs approx. 18.15, 22.45. Fri. 05.15. – **African News Round-up:** Wed. after news. – **Africa Today:** Sun. approx. 18.15, 22.45. Mo. 05.15. – **French Tribune:** Thurs after news. – **Sports:** Mo., Sat. after news. – **English Mailbag:** Thurs: 05.25, 18.25, 22.55, after news.

RADIO AEF·

D. 18.00–20.00. The first hour for African listeners with a daily request programme of native music from 18.00–18.30. – From 19.00–20.00 programme for Europeans with news at 19.00 daily.

ANNOUNCEMENTS for Radio Brazzaville: In Portuguese: "Aqui Radio Brazzaville, Emissora Nacional da Franca ne Africa Equatorial". – **In Spanish:** "Aqui Radio Brazzaville, Emissora Nacional Francesa". – **In Swedish:** "Detta är Radio-Brazzaville, den franske nationale Radio i Afrika". – **In Danish:** "Her er Brazzaville, den franske Statsradiofoni's Station i Fransk Ækvatorial Afrika". – **In Dutch:** "Hier sprekt Radio-Brazzaville, de franse nationale Radioomroep in Central Afrika".

ANNOUNCEMENTS for Radio AEF: In French: "Ici Radio AEF". – **In Lingala:** "Awa Radio AEF". – **In Lari:** "Zonza ni Radio AEF".

INTERVAL-SIGNAL: When the station switches over from one direction to another a call signal of five different notes is played on a native instrument (Kisanzi) consisting of several vibrating iron bars attached to a wooden box.

VERIFICATION by QSL-card. Return postage should be enclosed.

GOLD COAST

GOLD COAST BROADCASTING SERVICE (Govt.)

ADDRESS: P.O. Box 250, Accra. **Cable:** Broadcasts.

LEADING PERSONALITIES: Dir. Broadcasting: J. B. Millar, M. B. E. Dir. Tec.: A. W. Busby.

HOME SERVICE from Accra:
ZOY: 4915 kc/s 61.04 m 5 kW – 6200 kc/s 48.39 m 1.5 kW

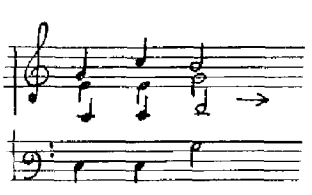
PERIOD 1/1–31/8: D.: 11.30–13.00, 15.00–18.00. **English:** N.: 12.45, 17.45. – **Religious:** Wed. 17.30–17.45. – **Request Progr.:** Tues. 17.00–17.30. – **Program Preview:** D. 10.25–10.30. – **Sport:** Mo. 17.30–17.45.

Vernaculars: (Hausa, Ewe, Twi, Ga, Fante, Dagbani): N.: 12.00–12.30, 16.15–17.00.

PERIOD 1/9–31/12: D.: 12.00–13.30, 15.00–18.30. **English:** N.: 13.15, 18.15. – **Vernaculars:** N.: 12.00–12.30, 16.15–17.00.

ANNOUNCEMENT: "This is the Gold Coast Broadcasting Service" or "This is Accra Calling".

INTERVAL-SIGNAL: G.C.B. played on piano:



VERIFICATION not wanted.

FUTURE PLANS: A new 20 kW s.w. transmitter to be installed in Accra shortly for improved National coverage. Studios to be improved by the use of new equipment. Eight new Rediffusion Stations to be opened within the next three years.

GUINEA (Portuguese)

EMISSORA DA GUINÉ (Gqvt.)

ADDRESS: Emissora da Guiné, Bissau. **Cable:** Radiodifusao.

LEADING PERSONALITY: President: Francisco Xavier das Merces Barreto.

HOME SERVICE in Portuguese: 21.30–23.00.
Bissau, CMQ 5838 kc/s 51.38 m 1 kW.
N.: 21.45–21.50 (local), 22.15–22.25. **Progr. Preview:** 21.30. **Portuguese Music:** 21.30–21.45. **Weatherrep.:** 22.45.

ANNOUNCEMENT: "Aqui Bissau, Emissora da Guine".

INTERVAL-SIGNAL: "Variations in D-minor" by Arthur Paredes played on guitar.

VERIFICATION by QSL-card. Return postage not necessary.

FUTURE PLANS: Increase of power to 5 kW.

GUINEA (Spanish)

EMISORA DE RADIODIFUSION SANTA ISABEL

ADDRESS: Santa Isabel, Fernando Poo Island.

STATIONS: 7200 kc/s 41.67 m 0.75 kW.

DAILY PROGRAMMES: 06.30–07.30, 12.00–14.00, 18.00–20.00.

VERIFICATION by letter.

IVORY COAST (French West Africa)

RADIO ABIDJAN (Govt.)

ADDRESS: Direction Generale de l'Information, Gouvernement de la Côte d'Ivoire, Abidjan (A.O.F.).

LEADING PERSONALITY: Monsieur le Directeur de l'Information

HOME SERVICE in French and Vernacular.

1495 kc/s	200	m	1	kW	}	W.: 06.45–07.30, 12.15–13.00, 18.30–21.00; Sun.: 07.15–08.00, 11.30–14.00, 18.00–21.00.
4945	–	60.67	–	0.65	–	
4824	–	62.18	–	3	–	experimental.

N.: French: 07.00, 12.30, 19.00; **Ebrié, Baoulé, Dioula:** 18.30–19.00 on Tues., Thurs., Sat. – **Weatherrep.:** 12.45. – **Tribune Libre d'Abidjan:** Thurs. 19.30.

ANNOUNCEMENT: "Ici Abidjan, station de radiodifusion de la Côte d'Ivoire emettant sur...".

INTERVAL-SIGNAL: First 10 bars of the Allobroges.

VERIFICATION by letter. Reports requested. I.R.C. should be enclosed.

KENYA

KENYA BROADCASTING SERVICE (Pr. Comm.)

Conducted by Cable and Wireless Ltd. under license from Government. The Department of Information is responsible for the Kiswahili and Kikuyu broadcasts to Africans.

ADDRESS: Cable and Wireless Ltd., Electra House, Kabete. P.O. Box 777, Nairobi. **Cable:** Empiregram.

LEADING PERSONALITIES: Man.: K. G. Rogerson. Dir. Progr.: Richard Coltart.

HOME SERVICES:

683 kc/s	440	m	2	kW	–	4885 kc/s	61.44	m	6	kW
863 –	347.6	–	5	–	–	6060 –	49.50	–	2.5	–
3315 –	90.50	–	2.5	–	–	7240 –	41.43	–	6	–

English: W.: 10.00–11.00, 15.00–20.00 on 863, 4885 kc/s., W.: 18.30–20.00 on 3315 kc/s. Sun.: 07.00–11.00, 15.00–19.00 on 863, 4885 kc/s.

N.: W.: 16.00, 18.00 (BBC relay). **Local N. and Weatherrep.:** W.: 16.10, 18.15. Sun. 16.45.

Hindustani: W.: 10.00–11.00, 15.45–18.30 on 683 kc/s. W.: 10.00–11.00 on 6060 kc/s. W.: 15.45–18.30 on 3315 kc/s .Sun.: 07.00–11.00 15.45–18.30 on 683 kc/s. Sun.: 10.00–11.00 on 6060 kc/s. 15.45–18.30 on 3315 kc/s.

Vernacular Languages: W.: 09.00–10.00, 12.30–15.30 on 683, 6060 kc/s. W.: 10.00–11.00, 15. 30–17.00 on 7240 kc/s. Sun.: 12.00–15.30 on 683, 6060 kc/s. 15.30–17.00 on 7240 kc/s.

ANNOUNCEMENT: "This is the Cable and Wireless Broadcasting Station, Nairobi, calling you on wavelengths of 347.6 and 61.44 metres", or in Hindustani "440 and 49.5 metres".

VERIFICATION: Reports from Overseas Listeners not required.

FORCES BROADCASTING SERVICE (Military)

ADDRESS: P.O. Box 4040, Nairobi.

LEADING PERSONALITY: Station Commander: P. Buckle.

HOME SERVICE: W. 03.00–05.00, 09.30–20.00. Sun. 04.00–20.00. 1420 kc/s 211.2 m 0.25 kW – 7265 kc/s 41.29 m 5 kW. Relayed progr. and recorded entertainment for troops in E. A. Command.

ANNOUNCEMENT: "This is your Forces Broadcasting Service, East Africa Command".

INTERVAL-SIGNAL: "Marigold" played on piano.

VERIFICATION by QSL-card.

LIBERIA

RADIO STATION ELWA (Religious – West African Broadcasting Association).

ADDRESS: Radio Station ELWA, Box 192, Monrovia. Cable: "Evangel, Liberia".

LEADING PERSONALITIES: Station Man.: Rev. C. G. Beacham. Dir. Tec.: Gilbert Hoffman. Program Dir.: Dick Reed.

HOME SERVICE in English: ELWA 710 kc/s 422 m 1 kw: 18.30–21.45. Sun.: 18.00–22.00.
Time-Sig.: Each hour. – Local News: Tues. 20.00, Sat. 19.00. – Religious Progr.: W.: 18.30–19.00, 19.30–20.00. Sun.: 18.00–22.00. Tues.: 19.00–19.30.

ANNOUNCEMENT: "You are listening to Radio Station ELWA broadcasting from Monrovia Liberia".

VERIFICATION by letter.

FUTURE PLANS: A 10 kW s. w. station is expected to be in operation in 1955.

LIBERIAN BROADCASTING COMPANY (Comm.)

ADDRESS: Liberian Broadcasting Company, Monrovia.

LEADING PERSONALITY: Pres.: Dr. John B. West.

HOME SERVICE:

ELBC 900 kc 333.3 m 15 kW – ELBI 6022 kc 49.79 m 1 kW In English, French and Arabic: 15.45–23.45.

ANNOUNCEMENT: "This is the Liberian Broadcasting Company".

LIBYA

RADIO TRIPOLI (Govt.)

ADDRESS: Radio Tripoli, c/o Tripolitania, Liaison Officer, Tripoli.

STATION: 1552 kc/s 194 m 1 kW: 18.00–20.00 in Arabic.

ANNOUNCEMENT: "Here is Tripoli" (in Arabic).

VERIFICATION by QSL-card and letter. No postage required.

ARMED FORCES RADIO SCE. (USA Air Force)
Tripoli Airport 1510 kc/s 100 W.

MADAGASCAR

RADIO TANANARIVE (Govt.)

ADDRESS: Place Colbert, Tananarive. Cable: "Radio Tana".

LEADING PERSONALITIES: Dir. du Service General de l'Information: Gilbert Saron. Dir. "Radio Tananarive": Robert Guillon.

HOME SERVICES (Tananarive, FIQA)
French Network
W.: 03.30–05.30, 09.00–11.00, 15.00–19.00.
Sun.: 04.00–07.45, 08.30–11.00, 14.15–19.30.
1550 kc/s 193.55 m 1 kW – 6172 kc/s 48.60 m 1 kW
3205 – 93.66 – 5 – – 9515 – 31.53 – 1 –
N.: 04.00(W), 05.15(Sun.), 09.00, 16.00, 18.00(Sun.), 18.15(W).

Malgache Network
03.30–05.00, 08.30–10.30, 14.00–17.00
3350 kc/s 89.60 m 1 kW – 7135 kc/s 42.05 m 1 kW.
N.: 09.00, 15.00, 16.30.

ANNOUNCEMENT: French: "Ici Radio Tananarive" – at opening followed by: "Voici notre emission de la journée diffusée sur les longueurs d'ondes suivantes...".

INTERVAL-SIGNAL: Malgache music.

VERIFICATION by QSL letter. Return postage requested.

MAURITIUS

Principal Languages: French, English, Hindustani, Chinese, and a Creole patois derived from French.

MAURITIUS BROADCASTING AND NEWS SERVICE (Govt.)

ADDRESS: Forest-Side.

LEADING PERSONALITIES: Manager: C. de Chazal. Dir. Tec.: P. G. N. Murray.

HOME SERVICE:
1364 kc/s 220 m 5 kW – 15090 kc/s 19.88 m 1.5 kW
W. 03.00–04.15 1364, 15090 kc/s in **French, English.** – N.: 03.30. (F), 04.00 (E).
07.45–09.30 1364, 15090 kc/s in **French.** – N.: 08.30 (F).
09.30–10.15 1364 kc/s in **Hakka, Cantonese.** Tues., Thurs.
13.00–14.30 1364 kc/s in **Hindustani.**
14.30–17.30 1364 kc/s in **French.** – N.: 15.00 (F).
Sun.
03.00–08.30 1364, 15090 kc/s in **French.** – N.: 03.30, 06.30 (F).
08.30–09.45 1364 kc/s in **Hakka, Cantonese.**
13.00–14.30 1364 kc/s in **Hindustani.**
14.30–17.30 1364 kc/s in **French.** – N.: 15.00.

ANNOUNCEMENTS: **English:** "This is the Mauritius Broadcasting Service". **French:** "Ici le M. B. S. poste de Radiodiffusion de l'Ile Maurice". Before the news is played an excerpt of the Sylvia Ballet and at the beginning of each transmission the "Thin red line"

VERIFICATION by QSL-card. Return postage not required.

MOROCCO (French)

RADIO-MAROC (Govt.)

ADDRESS: Radio-Maroc, Rabat. Cable: "Radio-Maroc".

LEADING PERSONALITIES: Dir.: M. Paul Peyre. Ass. Dir.: M. Verdoux-Piverd. Dir. Tec.: M. François Goure. Dir. News Dept.: M. Julien Le Moyne. Dir. Adm.: M. Robert Grolleau. Dir. Artistic Dept.: M. Yves Lefauvre. General Secretary: M. Albert Lestage. Chief Arabic Dept.: M. Louis Gousse. "Conseiller" Arabic Dept.: M. Abdelhamid Hajoui.

HOME SERVICE

NETWORK A: French.
W.: 06.45–09.00, 12.00–14.30, 18.00–23.00, Sat.: 06.45–08.40, 12.00–23.00. Sun. 07.15–23.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	611	491	120	Casablanca	1196	250	1
Rabat	1043	288	20	(from 20.00 only)			

N.: 07.00, 08.00, 13.00, 14.27, 18.30, 20.00, 22.55.

NETWORK B: Arabic.
W.: 06.45–08.30, 12.00–15.00, 17.00–23.00. Sun.: 07.15–11.00, 12.15–15.15, 17.30–23.00.

	kc/s	m	kW		kc/s	m	kW
Sebaa-Aioun	701	428	120	Rabat	872	344	1

N.: 07.00, 08.00, 13.15, 14.30, 18.00, 19.00, 20.30, 22.30.

NETWORK C: English and Spanish.
Spanish: 12.00–12.30, 19.00–20.00. **English:** 12.30–13.00, 18.30–19.00 (exc. Sat.).
Rabat 1043 kc/s 288 m 20 kW. – Short Wave 6006 kc/s 49.95 m 1 kW.
News and Music: There are no English programmes on Sun.

RELAY ON SHORT WAVE:
6006 kc/s 49.95 m 1 kW.

06.45–08.30 Arabic	13.00–14.30 French	19.00–20.00 Spanish
12.00–12.30 Spanish	17.00–18.30 Arabic	20.00–23.00 Arabic
12.30–13.00 English	18.30–19.00 English	

15205 kc/s 19.73 m 50 kW: 12.30–14.30 Arabic.

ANNOUNCEMENTS: **French:** "Ici Radio-Maroc" ou "Ici Rabat, Radiodiffusion Marocaine". – **Arabic:** "Hunna Radio el Moghrib" or "Hunna ear Ribat".
At opening and closing: "Marseillaise" and "Hymne Chérifien".

VERIFICATION by QSL-card.

ARMED FORCES RADIO SCE. (U.S.A. Military)
WNAA Port Lyautey 1512.5 50 W. – Rabat AFRS 1594 100 W.

ARMED FORCES RADIO SCE. (USA Air Force)
AFRS Sidi Slimane Airport 1594 kc/s 100 W.

MOROCCO (Spanish)

RADIO DERSA (Comm.)

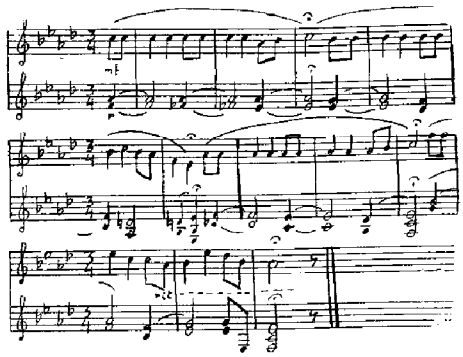
ADDRESS: Empresa "Torres Quevedo", S. A., Tetuán. Cable: Tecusa.

LEADING PERSONALITIES: Dir. Tec.: Manuel Picardo. Dir. Progr.: Gaspar Tato Cunmig.

HOME SERVICE from Tetuan in Spanish and Arabic: 12.00–24.00.
917 kc/s 327.2 m 5 kW – 6067 kc/s 49.45 m 0.25 kW
Spanish: 12.00–14.00; 16.00–18.00; 20.00–24.00.
Arabic: 14.00–16.00; 18.00–20.00.

ANNOUNCEMENT: Spanish: "Aqui Radio Dersa Tetuán". Arabic: "Huna Radio Dersa – Tetuán".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: New 20 kW m.w. transmitter.

MOZAMBIQUE (Portuguese East Africa)

RADIO CLUBE DE MOÇAMBIQUE (Comm.)

ADDRESS: P.O. Box 594, Lourenço Marques. Cable: Radioclub.

LEADING PERSONALITIES: Pres.: Capt. Antonio dos Santos Figueiredo. Vice Pres.: Henrique Rodrigues. Gen. Man.: Capt. Joao Pinheiro. Man. Eng. Progr.: D. Davies. Man. Portuguese Progr.: Teixeira. Dir. Tec.: V. Rodrigues

PORTUGUESE NETWORK: 05.00–06.00 (not CR7BM), 09.30–11.30 (Sat. Sun. 12.00), 15.45–20.15 (not CR7BK).

Calll.	kc/s	m	kW	Period
CR7BO	737	407	0.3	All the year round
CR7BK	927	323	10	All the year round
CR7BM	3440	87.21	7.5	October–April
CR7BV	4829	62.11	10	All the year round
CR7BE	11984	25.03	10	April–October
CR7BG	15285	19.63	10	October–April

News: 05.15, 10.30, 17.00 and 24.00.

ANNOUNCEMENT: On the hour – 4 notes on gong followed by: "Aqui, Lourenço Marques, Radio Clube de Moçambique, trabalhando em ondas curtas e onda media". (This is the Radio Club of Mozambique –).

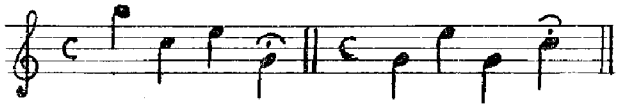
VERIFICATION by QSL-card.

ENGLISH NETWORK: 04.00–21.00 (Sat. 22.00).

Calll.	kc/s	m	kW		
CR7BK	927	323	10	15.30–21.00	All the year round
CR7AB	3510	85.47	7.5	16.00–21.00	Winter
CR7BU	4920	60.99	7.5	04.00–21.00	All the year round
CR7AA	7254	41.36	7.5	06.30–15.00	All the year round
CR7BJ	9762	30.73	7.5	07.00–15.00	Summer
CR7BF	11745	25.54	7.5	04.00–18.00	All the year round

ANNOUNCEMENT: Every quarter or half hour 4 notes on gong followed by "Lourenço Marques for Happy Listening in the ... metre bands".

INTERVAL-SIGNAL FOR HOME- AND FOREIGN SERVICES: Gong.



VERIFICATION by QSL-card.

BRANCH STATION (Nampula). In Portuguese

1213 kc/s	246 m	0.3 kW:		10.00–11.00, 16.30–18.30
3535 –	84.98 –	1	–	16.30–18.30 winter
4930 –	60.90 –	1	– :	16.30–18.30 summer
6152 –	48.76 –	1	– :	10.00–11.00 all the year round

EMISSORA DO AERO CLUBE DA BEIRA (Priv.-Comm.)

ADDRESS: Caixa Postal No. 3, Beira.

LEADING PERSONALITIES: Pres. Eng.: Jorge Pereira Jardim and Liborio L. L. Rodrigues. Delegates: Dr. Gonçalo Mesquitela and Humberto Ramos Ataide.

HOME SERVICE in Portuguese: 09.30–11.30, 16.00–20.00.
CR7IB 7225 kc/s 41.52 m 0.35 kW – CR7IC 3567 kc/s 85.76 m 0.45 kW
N.: 10.00, 17.35. – Religious: Sun. 09.45. – Language Lessons: W. 09.45. – Request Progr.: D.: 10.15–10.30, 16.20–17.10. – Progr. Preview: D.: 09.30, 16.00. – Weatherrep.: D. 17.45. – Time-Signal: D.: 10.00, 18.00.

ANNOUNCEMENT: "Aqui Beira! Estaçao Emissora do Aero Clube, transmitindo em ondas curtas em 42 e 84 metras".

INTERVAL-SIGNAL: Two chimes: do (natural) – la (flat)).

VERIFICATION by QSL-card.

NIGERIA

NIGERIAN BROADCASTING SERVICE (Govt.).

ADDRESSES: Headquarters: Broadcasting House, Ikoyi Rd., Obalende, Lagos. Cable: Broadcasts, Lagos. Northern Region: Broadcasting House, Kaduna. Eastern Region: Broadcasting House, Enugu. Western Region: Oxford House, Ibadan.

LEADING PERSONALITIES: Dir.: T. W. Chalmers. Dir. Tec.: J. W. Murray. Controller Northern Region: J. F. Wilkinson. Controller Eastern Region: Vacant. Progr. Organiser, Ibadan: A. O. Williams.

HOME SERVICES:

NATIONAL PROGRAMME from Lagos:

4800 kc/s	62.50 m	20 kW:		16.00–22.00
4900 –	61.23 –	0.3 – :		05.00–22.00
6100 –	49.18 –	0.3 – :		05.00–22.00
7185 –	41.75 –	20 – :		09.30–13.00

N.: English: 12.30, 18.15, 21.30. – Yoruba, Ibo, Hausa: 17.00.

NORTH REGIONAL PROGRAMME from Kaduna:

3326 kc/s	90.20 m	7.5 kW:	05.00–07.00, 18.00–21.00
7175 –	41.81 –	7.5 – :	14.00–16.00

N.: English, Hausa, Ibo and Yoruba: 14.15, 19.00.

EAST REGIONAL PROGRAMME from Enugu:

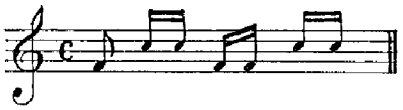
7079 kc/s	42.38 m	0.3 kW:	05.00–22.00
3970 kc/s	75.57 m	2.5 kW:	Testing 14.00–22.00

N.: English, Ibo and Efik: 15.30, 20.45.

WEST REGIONAL PROGRAMME from Ibadan:
5032 kc/s 59.62 m 0.3 kW: 05.00–22.00
N.: English and Yoruba: 14.15, 19.00.

ANNOUNCEMENTS: Lagos: "This is the National Programme of the Nigerian Broadcasting Service". Kaduna: "This is the North Regional Programme of the Nigerian Broadcasting Service". Enugu: "This is the East Regional Programme of the Nigerian Broadcasting Service". Ibadan: "This is the West Regional Programme of the Nigerian Broadcasting Service".

INTERVAL-SIGNAL: Yoruba drums beating out: "This is the N.B.S."



Also Yoruba, Ibo and Hausa music signatures played regularly before vernacular news bulletins.

VERIFICATION by letter. Reports welcomed.

FUTURE PLANS: Two 1 kW transmitters planned for Ibadan.

NORTHERN RHODESIA

CENTRAL AFRICAN BROADCASTING STATION (Govt.).

The Central African Broadcasting Station broadcasts to African Listeners of the Federation of Rhodesia and Nyasaland.

ADDRESS: P.O. Box 209. Cables: "Broadcasts", Lusaka.

LEADING PERSONALITIES: Broadc. Officer: A. M. Kittermaster. Broadc. Engineer: J. M. Reeves.

HOME SERVICE: Lusaka ZQP

3346 kc/s	89.65 m	2.5 kW	D.	16.00–19.00
4826 –	62.16 –	15 –	W.	10.00–19.00, Sun. 08.30–19.00
7220 –	41.55 –	2.5 –	W.	10.00–13.50, Sun. 08.30–13.50

Weekdays:

10.00–10.05	English Ann.	11.30–11.35	English Talk
10.05–10.10	ChinyanjaTalk	11.35–12.00	Music

10.10–10.30	Nyanja/Bemba	12.00–12.05	ChinyanjaTalk
	Requests	12.05–12.30	Music
10.30–10.35	ChinyanjaNews	12.30–12.35	ChibembaNews
10.35–11.00	Nyanja/ Bemba	12.35–13.00	Music
	Requests	13.00–13.05	ChibembaTalk
11.00–11.10	ChibembaNews	13.05–13.30	Music
11.10–11.15	Vernacul. News Talk	13.30–13.35	ChibembaTalk
11.15–11.20	English Lesson	13.35–14.00	Music
11.20–11.30	Music	D. 16.00–16.05	Chinyanja News.

VERNACULAR PROGRAMME: 14.00–18.00 Mo. Chibemba (N. R.) – Tues. Chishona (S.R.) – Wed. Chinyanja (N.R.) – Thurs. Silozi (N.R.) – Thurs. Luvale (N.R.) – Fri. Sindebele (S.R.) – Sat. Chitonga (N.R.)

ENGLISH PROGR. 18.00–19.00. – Features: Mo., Tues., Fri. 18.30. – Request: 18.15. – Variety: Wed. 18.30. – English by R.: 18.15.

Sundays:

08.30–12.00 English Progr. (European): N.: 10.00, 11.00. (BBC), Requests: 09.30.
12.00–16.00 English Progr. (African): N.: 13.00, 14.00, 15.00, 16.00, 17.00, 18.00. Requests: 13.10, 15.10. – Features: 12.30, 14.30.
16.00–16.05 Chinyanja News.
16.05–19.00 English Progr. (African): Religious: 17.30, 19.00. – English by R.: 16.15, 18.15. – Variety: 16.30. – Features: 18.30. –Weatherrep.: D. 18.05.

All programmes are African unless otherwise shown.

ANNOUNCEMENTS: English: "This is the Central African Broadcasting Station in Lusaka broadcasting to Africans in the Rhodesias and Nyasaland". Chinyanja: "Kuno ndi ku Central African Broadcasting Station mu Lusaka. Moni kwa inu nonse mu Rhodesia ndi Nyasalandi".

INTERVAL-SIGNAL: Barotse drums and xylophone.

VERIFICATION: Listeners reports from the Federation required.

FUTURE PLANS: New Studios to be built in Lusaka and new Transmitter building 4 miles from Lusaka in 1955.

REUNION

RADIO REUNION (Govt.)

ADDRESS: Radiodiffusion Française, Saint-Denis.

LEADING PERSONALITY: Chef des Services de la Radiodiffusion Française à la Réunion: M. Bernard Guyot.

STATIONS: St. Denis

624 kc/s	480.0 m	1 kW	02.30–18.30
3380 –	88.76 –	1.5 –	02.30–04.00, 14.00–18.30
4820 –	62.24 –	1.5 –	04.00–14.00
7170 –	41.84 –	0.2 –	02.30–18.30

HOME SERVICES in French:
W.: 02.30–03.45, 08.00–09.30, 14.00–18.30. Sun.: 04.00–10.30, 14.00–18.30.
N.: 02.30(W), 03.30(W), 04.15(Sun.), 08.30, 14.07(W), 16.00(relay Paris). – Weatherrep.: 03.30(W), 16.30, 17.15. – Request Progr.: Sun. 14.05, Thurs. 14.15. – Religious Progr.: Sun. 04.07, 07.00, Sat. 14.15. – Time-Sig.: W.: 16.35–16.40. Sun. 16.55–17.02.

ANNOUNCEMENT: "Ici la Réunion, Radiodiffusion Française".

VERIFICATION by letter.

SOUTHERN RHODESIA

FEDERAL BROADCASTING SERVICE (Govt.)

ADDRESS: Federal Broadcasting Service of Rhodesia and Nyasaland, P.O. Box 8, Causeway, Broadcasting House, Salisbury. – Cable: Broadcasts Salisbury.

LEADING PERSONALITIES: Controller European Service: John Parry. Ass. Controller: Helen Kelly. Progr. Producer: Tom Pile. Studio Man., Bulawayo: John Hooper.

HOME SERVICE
W.: 05.55–06.10, 09.00–12.00, 15.00–20.00. Sun.: 08.00–12.00, 16.00–20.00.

	kc/s	m	kw		kc/s	m	kw
Salisbury	584	514	2	Gwelo	1043	288	2
	3396	88.35	7.5	Gatooma	791	379	2
	6018	49.84	7.5	Umtali	980	306	2
	9505	31.56	3	Que Que	746	402	2
Bulawayo	611	491	2				

Request Progr.: Tues., Thurs. 10.15–11.00, 16.00–16.45. Sat. 10.15–11.00, 19.00–20.00. Sun. 11.15–12.00. Progr. Preview: D. 11.15, 17.55. Weather Rep.: Winter 17.55. Summer 11.15, 16.00, 17.55. Time-Sig.: D. 06.00, 11.00, 18.00 (B.B.C.). – N.: 06.00 (B.B.C.), 09.10 (S.A.P.A.), 13.00 (B.B.C.), 17.15 (Newsreel), 18.00 (B.B.C.), 18.15 (S.A.P.A.). Financial News: W.17.50. Religious Progr.: D. 09.00–09.10. Sun. 16.45–17.15, 19.45–20.00.

ANNOUNCEMENT: "Salisbury Calling". – "This is the Federal Broadcasting Service".

INTERVAL-SIGNAL: Bells (St. Margaret's Chimes), Harp Glissandos.

VERIFICATION by letter. Return postage not required.

SAO TOMÉ (Portuguese)

RADIO CLUBE DE SAO TOMÉ E PRINCIPE (Comm.)

ADDRESS: Avenida da Armada, Sao Tomé. Cable: Radioclube.

LEADING PERSONALITIES: Pres.: A. Manuel da Fonseca. Vice Pres.: A. Almeida Pires.

HOME SERVICE in Portuguese:
CR5SC 4807 kc/s 62.40 m 1 kW 19.00–21.00
CR5SB 17677 – 16.97 – 1 – 12.00–13.00 (Sun., Thurs).
N.: 19.05, 20.45 on 4807 kc/s. D. Sun. & Thurs. 12.30 on 17677 kc/s.

ANNOUNCEMENT: "Aqui Sao Tomé, Radio Clube de Sao Tomé e Príncipe, a trabalhar na banda dos... metros".

INTERVAL-SIGNAL: Re-Do-Mi.

VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: Establishment of a 10 kW s. w. transmitter

SEYCHELLES (British)

THE SEYCHELLES BROADCASTING SERVICE (Govt.)

ADDRESS: Education Department, Victoria Mahé, Seychelles.

LEADING PERSONALITY: Director of Education: L. A. Bradshaw.

HOME SERVICE: W. 15.15–16.15, Sun. 14.00–15.00.
ZCQ3 5770 kc/s 51.99 m 0.1 kW.

SENEGAL (French West Africa)

RADIODIFFUSION FEDERALE AOF (Govt.)

ADDRESS: 58, Boulevard de la République, Dakar.

LEADING PERSONALITIES: Dir. Information-Radiodiffusion: M. Fromentin. Regisseur Général: M. Cellier. Chéf du Journal Parlé: M. Silber. Chéf du Service Technique: M. Lacroix.

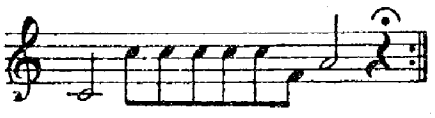
HOME SERVICE:

DAKAR INTER in French:
W.: 06.30–08.00, 11.15–14.00(Sat. 15.00), 18.00–23.00. Sun.: 07.00–23.00.
1430 kc/s 209.5 m 5 kW – 11890 kc/s 25.23 m 25 kW
4950 – 60.60 – 1 –
N.: 06.30, 07.30, 13.00, 20.00, 22.00. Dictation speed news: 11.45.
Time-Sig.: 07.00, 07.30, 13.00, 20.00, 22.00.

DAKAR AFRIQUE in French, Portuguese, English and native languages:
W.: 06.30–08.00, 12.00–14.00, 20.30–23.00. Sun.: 08.30–14.00, 17.00–23.00.
1530 kc/s 196 m 5 kW – 9562 kc/s 31.37 m 12 kW
4880 – 61.48 – 1 –
Request Progr.: 21.00. – Progr. in Portuguese: Tues., Thurs. 22.15. – Progr. in English: Wed., Fri. 22.15. – French lesson: Tues., Thurs., Fri., Sat. 07.00.

ANNOUNCEMENT: "Ici Dakar, Radiodiffusion Federale de l'Afrique Occidentale Française. Programme Dakar Inter... ou Dakar Afrique, émettant sur...".

INTERVAL-SIGNAL: Infanterie de Marine.



VERIFICATION by QSL-card. Return postage required.

SOMALILAND (Italian)

RADIO MOGADISHU,

ADDRESS: Mogadishu.
HOME SERVICE in Italian and Somali:
7383 kc 40.63 m 0.3 kW: Italian: 09.45–10.30, 17.00–18.00.
Somali: 14.15–15.15, 16.00–17.00.
ANNOUNCEMENT: "Trasmette Mogadiscio".

SOMALILAND (British)

RADIO SOMALI (Govt.)

ADDRESS: P.O. Box 14, Hargeisa. Cable: Informat.

LEADING PERSONALITIES: Information Officer: C. J. Martin, B.E.M. Assistant Information Officer (Programmes): Abdulrahih Abby Farah. Announcer: Abdi Dualch, B.E.M.

HOME SERVICE in Somali and Arabic:
7126 kc/s 42.10 m 1 kW.
Somali: 13.30–14.45. N.: 13.35. – Arabic: Sun. 13.00–13.30. – N.: 13.10.

ANNOUNCEMENT: "Halkun waa Hargeisa, Radio Somali".

VERIFICATION by QSL-card. Return postage appreciated, but not necessary.

FUTURE PLANS: New studios and departmental headquarters are now being erected under a Colonial Development and Welfare scheme of the U. K. Government and should be in operation by the spring of 1955.

SUDAN

SUDAN BROADCASTING SERVICE (Govt.)

ADDRESS: P.O. Box 522, Kartoum. Cable: "Irshad".

LEADING PERSONALITIES: Broadcasting Officer: M. A. El Faki. Asst. Broadcasting Officer: M. A. Khangi. Dir. Tec.: Ibrahim Ghobrial.

HOME SERVICE in Arabic and English from Omdurman:
572.5 kc/s 524 m 0.8 kW – 7100 kc/s 42.25 m 6 kW
6040 – 49.67 – 0.35 – (exp.).
Arabic: D.: 04.15–04.45, 16.30–19.30 Additional: Fri.: 07.30–09.30, 14.00–15.00. Sun.: 08.00–09.00. N.: 04.30, 16.40, 19.10. English: D.: 16.00–16.30. N.: 16.00.

ANNOUNCEMENT: Arabic: "Huna Omdurman". English: "This is the Sudan Broadcasting Service calling from Omdurman".

VERIFICATION by letter. Reports are welcomed. Return postage not necessary.

FUTURE PLANS: New powerful m.w. station is expected to operate at the end of this year. A new broadcasting house.

TANGANYIKA

DAR-ES-SALAAM BROADCASTING STATION (Govt.)

ADDRESS: Department of Social Development, Dar-es-Salaam.

LEADING PERSONALITIES: Commissioner for Social Development: J. P. Moffett. Broadcasting Officer: D. Swannie. Education Officer: C. W. W. Ryan.

HOME SERVICE in English and Swahili:
Mo. and Thurs. 16.00–18.30, Tues., Wed., Fri., Sat. 16.00–17.30.
1250 kc/s 240 m 0.25 kW – 5050 kc/s 59.41 m 9.20 kW.
3251 – 92.28 – 0.25 –

ANNOUNCEMENT: Swahili: "Hii nu ya Dar-es-Salaam". English: "This is Dar-es-Salaam. – INTERVAL-SIGNAL: Marimba. – VERIFICATION by QSL-card.

TANGIER

RADIO-AFRICA-MAGHREB (Comm.)

ADDRESS: 9 rue de Russie, Tangier. Cable: "Rafrica", Tanger.

LEADING PERSONALITIES: Deputy Administr.: Jean D. de Bournet. Comm. Man.: G. Beaudry. Dir. Tec.: P. Lemasson. Techn. Service: J. Simpé. Progr. Dept.: G. Marquet. Progr. Secr.: S. Borra. Arabic Dept.: M. Ayenui. Spanish Dept.: H. Blanco. Publicity Dept.: Miss A. Sillero Roman.

HOME SERVICE:

kc/s	m	kW	
935	321.0	12*)	07.00–09.00 (Sun.: 08.00–10.00), 11.30–22.00
7193	41.72	5**)	11.30–14.00, 19.30–22.00

*) to be increased to 50 kW **) to 25 kW

In French, Spanish and English: 07.00–09.00, 11.30–17.30, 19.30–22.00. In Arabic: 17.30–19.30.
"Actualities du Maroc": D.: 14.00–14.15. – "Tanger vous parle": D.: 19.30–19.45. – Weatherrep.: D.: 07.45, 12.35, 19.45. – "Au carrefour des mondes": 21.05, 21.20. – "Disques des auditeurs": Sun. 08.30. – Religious: Sun. 21.45–22.15.

ANNOUNCEMENTS: French: "Ici Radio-Africa-Maghreb". Spanish: "Aqui Radio-Africa-Maghreb". English: "This is Radio-Africa-Maghreb".
INTERVAL-SIGNAL: Bell and military march.
VERIFICATION by QSL-card.

RADIO-AFRICA-TANGER (Comm.)

ADDRESS: 9 rue de Russie, Tangier. Cable: "Rafrica Tangier".
LEADING PERSONALITIES: Deputy Administr.: J. D. de Bournet. Gen. Secr.: Pierre Joubert. Comm. Man.: Pierre Benoit. Chief Eng.: B. Settinger. Artistic Service: Miss Juana Tellez. Plays: L. Ventura. French Dept.: Régine Claude. Italian Dept.: R. Fiorilla. Spanish Dept.: P. Santisteban. Arabic Dept.: Tayeb ben Hadj. Listeners Service: Miss Lourdes Roman.

HOME SERVICE:
683 kc/s 439.2 m 1.25 kW: 11.00–16.00, 19.00–24.00.
French: 12.00–13.15, 19.00–22.00. Italian: 13.15–13.45. Spanish: 13.45–16.00, 22.00–24.00.
D.: 16.00–16.45, program for Gibraltar under the name of "Radio Africa Gibraltar" in English and Spanish. (For further particulars see page 46).
"Actualities de Tanger": D.: 13.00–13.15. – Bourse: 13.15, 14.00, 14.30, 20.15, 20.50, 21.00, 22.00. – Weatherrep.: 13.55, 20.15. – "Concert des auditeurs": 14.00, 16.00, 22.00, 23.30. – "Radio-Club": Mo. 20.30–21.00. – "La courrier des auditeurs": Thurs. 13.45. – "Amigos inolvidables": Sun. 20.30. – "Les plus belles voix du monde": Sun. 21.00.

ANNOUNCEMENTS: English: This is Radio Africa–Tangier. – French: Ici Radio Africa–Tanger. – Italian: Qui Radio Africa–Tangeri.

INTERVAL-SIGNAL: Gong and "Espana Cani".

VERIFICATION by QSL-card.

PAN AMERICAN BROADCASTING SYSTEM (Comm.)

ADDRESS: Pan American Building, 16. rue Delacroix, Tangier. Cable: Panamericana.

LEADING PERSONALITIES: Pres. and Dir.: J. Suriñach Oller. Vice-Pres. and Dir.: C. E. Walbaum.

HOME SERVICE in Spanish, French, Arabic:

(P.A.R.)	1	1128	kc/s	266	m	3 kW**	08.00–01.00*
	2	7290	–	41.15	–	3 –	08.00–01.00*
	2	14500	–	20	–	3 –	Under construction.
	3	575	–	522	–	5 –	Not in use.

** Authorized to be increased to 50 kW. * The whole year.

DAILY PROGRAMMES:

08.00–11.00 Spanish, French.	17.00–18.00 Internat. progr.
11.00–12.00 English, Spanish.	18.00–19.00 Arab. mus. and songs
12.00–13.30 French.	19.00–20.00 English.
13.30–14.00 Italian.	20.00–21.30 French.
14.00–16.00 Spanish.	21.30–22.45 Spanish.
16.00–16.45 Spanish, French.	22.45–01.00 Internat. progr.
16.45–17.00 Hindu mus. and songs	

N.: 08.30, 13.00 (BBC), 14.00 (BBC), 18.30 (BBC), 20.00 (BBC), 21.30 (VOA). – Weatherrep.: 08.00, 12.00, 13.30, 14.10, 20.10, 21.40. – Bourse: 13.30, 14.00, 20.00, 21.30 (VOA). – Request Programme: 15.30.

ANNOUNCEMENT: Spanish: Aqui Pan American Radio, Tanger. – French: Ici Pan American Radio, Tanger. – English: This is Pan American Radio, Tangier. INTERVAL-SIGNAL: "Bim Bam Bum."

VERIFICATION by QSL-card. Return postage not required.

SOCIEDAD AFRICANA RADIODIFUSION

ADDRESS: 33 Goya Street, Tangier. – Cables: "Radiointer".
LEADING PERSONALITIES: President: Don Antonio Garrigues y Diaz Canabate. Vice President: M. Lucien Bensimhon. Secretary General: Dn. Virgilio Onate Sanchez. Director General: Mr. Herbert R. Southworth. Administrator: Dn. A. Cuetos Martinez. Chief Engineer: Dn. Jesus Martin Cordova.

BROADCASTERS: RADIO TANGIER INTERNATIONAL:
1232 kc/s 243.5 m 50 kW – 6110 kc/s 49.1 m 1.25 kW.
French: 07.00–09.00, 12.00–16.00, 20.00–22.00.
News Bulletins, "Antenna to the World" at 08.00, 09.00, 13.00, 14.00, 20.00, 21.55. Arabic: 18.00–20.00, 22.00–24.00.

RADIO TANGIER:
1079 kc/s 278 m 10 kW – 6025 kc/s 49.79 m 2.5 kW.
English: 12.00–12.30. – Spanish: 12.30–16.00, 18.00–24.00.
News Bulletins: In English: 12.23. – In Spanish: 14.10 and 21.15.

THE VOICE OF TANGIER (Religious)

The Voice of Tangier, under the direction of International Evangelism, Inc., Greensboro, N.C., USA, is a missionary radio station, dedicated exclusively to the broadcasting of the Gospel of our Lord and Saviour Jesus Christ and is maintained by free-will contributions.

ADDRESS: Station WTAN, British P.O. Box 219, Tangier, Morocco.

LEADING PERSONALITIES: President: Rev. Paul Freed. Field Dir.: Rev. Ralph Freed.

STATIONS: WTAN 6025 kc/s 49.79 m (afternoon) 2.5 kW – 7175 kc/s 41.81 m (evening) 2.5 kW.

DAILY PROGRAMMES: W.: 13.00–13.30, 20.30–21.00. Sun. 13.00–14.00.
Spanish: W. 13.00(Tues., Thurs. 13.15)–13.30. Sun. 13.00–14.00.
English: Mo., Wed., Fri. 20.30–21.00. and 22.00–22.30.
Portuguese: Tues., Thurs. 13.15–13.30 and Sat. 20.30–20.45.
French: Sat. 20.45–21.00.
Czech: Thurs. 20.30–21.00.
German: Tues. 20.30–21.00.
ANNOUNCEMENT: English: "This is the Evangelical Voice of Tangier". Spanish: "Esta es La Voz Evangélica en Tanger". French: "Ici La Voix Evangélique de Tanger".
INTERVAL-SIGNAL: Religious music.
VERIFICATION by QSL-card.

VOICE OF AMERICA RELAY BASE

ADDRESS: Voice of America, c/o American Legation, Tangier, or Voice of America, Washington 25, D. C. USA.

STATIONS: Tangier 35/50/100 kW.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3980	75.38	7250	41.38	9740	30.80	15205	19.73
6080	49.34	9500	31.58	11710	25.62	15295	19.61
6140	48.86	9595	31.27	11760	25.51	15345	19.55
7100	42.25	9615	31.20	11770	25.49	15385	19.50
7115	42.16	9635	31.14	11805	25.41	15410	19.47
7125	42.11	9665	31.07	11830	25.36	15440	19.43
7200	41.67	9685	30.98	11940	25.13	17880	16.78
7235	41.47			15130	19.83		

DAILY PROGRAMMES: 24 hours daily (see USA).
ANNOUNCEMENT: »This is the American Relay Base in Tangier, relaying the programs of the Voice of America".
VERIFICATION by QSL-card. No return postage required.

TUNESIA

RADIO TUNIS (Government – Radiodiffusion Francaise et Television)

ADDRESSES: Head Office, 2, rue d'Algier, Tunis. Studios: 3 Place de l'Ecole, Israélite, Tunis.

HOME SERVICE:
Tunis 629 kc 447 m 20 kW – Tunis II 962 kc 312 m 20/120 kW
Tunis I – French: 06.00–07.15, 11.00–13.00, 17.30–22.00.
News: 07.00–07.15, 11.00–11.20, 12.55–13.00, 19.00–19.20, 21.45–22.00.
Tunis II – Arabic: 05.15–06.30, 11.30–13.30, 18.00–22.00.
News: 06.00–06.15, 12.30–12.45, 18.02–18.10, 19.00–19.25, 21.35–21.50.

ANNOUNCEMENT: "Ici Radio Tunis" in French and Arabic.
INTERVAL-SIGNAL: Gong. Tunis I closes with "La Marseillaise" and Tunis II with "Hymne beylical".
VERIFICATION by letter. Return postage requested.

UGANDA

UGANDA BROADCASTING SERVICE (Govt.)

ADDRESS: Information Department, P.O. Box 142, Kampala.
Cable: Knowledge.
LEADING PERSONALITIES: Dir. Information: H. White. Progr. Organiser: J. Kenyon. Broadcast Engineer: G. Phillips.

HOME SERVICE in Luganda and English from Kampala:

971 kc/s	309.0 m	0.5 kW	14.30–17.00
5026 –	59.70 –	7.5 –	14.30–17.00
7110 –	42.19 –	7.5 –	alternative

LUGANDA: 14.30–16.00: N.: W.: 15.00–15.08. – Religious Progr.: 15.15–15.30. – Request Progr.: Sat. 14.32–15.00. Wed. 15.30–16.00. Sun. 14.47–15.00. – "English by Radio": 15.15–15.30. Mo., Wed., Fri.

ENGLISH: 16.00–17.00. N.: D.: 16.55–17.00. – Request Progr.: Mo., Fri. 16.25–16.55. – Feature or Play: Sun. 16.15–16.45. – Progr. Preview: D.: 14.30–14.32 in English and Luganda.
ANNOUNCEMENT: English: "This is the Uganda Broadcasting Service". Luganda: "Eno ye Uganda Broadcasting Service".
INTERVAL-SIGNAL: "Kwebembera Omukama". – The Ntimbo Royal Drummers of Omukama of Bunyoro.

VERIFICATION by letter. No postage required.

UNION OF SOUTH AFRICA

SOUTH AFRICAN BROADCASTING CORPORATION

ADDRESS: P.O. Box 8606, Johannesburg. Cables: Broadcast.
LEADING PERSONALITIES: Chairman of the Board of Governors: Dr. S. H. Pellissier. Dir.-Gen.: G. D. Roos. Deputy Dir.-Gen.: N. L. Filmer. Secretary: J. P. A. van der Walt. Chief Accountant: R. C. Strike. Dir. Tec.: H. O. Collett. Head of Afrikaans Progr.: M. M. van Lille. Head of English Progr.: Miss G. N. Dickson. Head of Commercial Service: E. H. Cameron McClure. Head of News: A. M. van Schoor.

HOME SERVICES:

Short Waves:	English		Afrikaans				Comm.	
	kc/s	m	kc/s	m	kc/s	m	kc/s	m
	Johannesb.		Johannesb.		Cape Town		Joh.burg	
	3290	91.2	3370	89.0	4895	61.3	3356	89.4
	4370	68.6	4895	61.3	5892	50.9	4945	60.7
	4800	62.5	6007	49.9	7255	41.4	7295	41.1
	6095	49.2	7275	41.2	9610	31.2	9600	31.2
	7230	41.5	9523	31.5				
	9870	30.4						

Johannesburg:						
West Rand	638	470	719	417	548	547
East Rand	1034	290	827	363	1286	233
Pretoria:	1439	208	1097	273	1268	236
Pietersburg:	1115	261	863	348	989	303
Bloemfontein:	674	445	593	506	782	384
Kimberley:	1070	280	1241	242	962	312
Grahamstown:	620	484	701	428	809	371
Port Elizabeth:	1313	228	1043	288	1178	255
East London:	1025	293	1151	261	908	330
Cape Town:	656	457	557	538	728	412
Durban:	566	530	692	433	800	376
Pietermaritzburg:	764	392	665	451	845	355

DAILY PROGRAMMES: English and Afrikaans Services:
W.: 04.40–12.15, 14.00–21.15. Sun. 05.55–21.15.
N.: 05.00(W.), 06.00, 11.15, 16.00, 17.00(W.), 19.00, 21.00.
COMMERCIAL SERVICE – Springbok Radio:
W. 04.00–22.00. Sun. 05.00–21.00.
Interval-Signal: Commercial Service: GCEGA
AFRICA SERVICE: International Station, Johannesburg.
15.230 kc/s 19.7 m 08.15–12.15.
11.936 – 25.1 – 14.00–20.35.
Daily Programmes: English on Tues, Thurs. and Sat. Afrikaans on Sun., Mon., Wed., Fri.
SOUTH-WEST AFRICA SERVICE:
9.680 kc/s 30.99 m Relays English Progr.
Verification by QSL-card for all services.

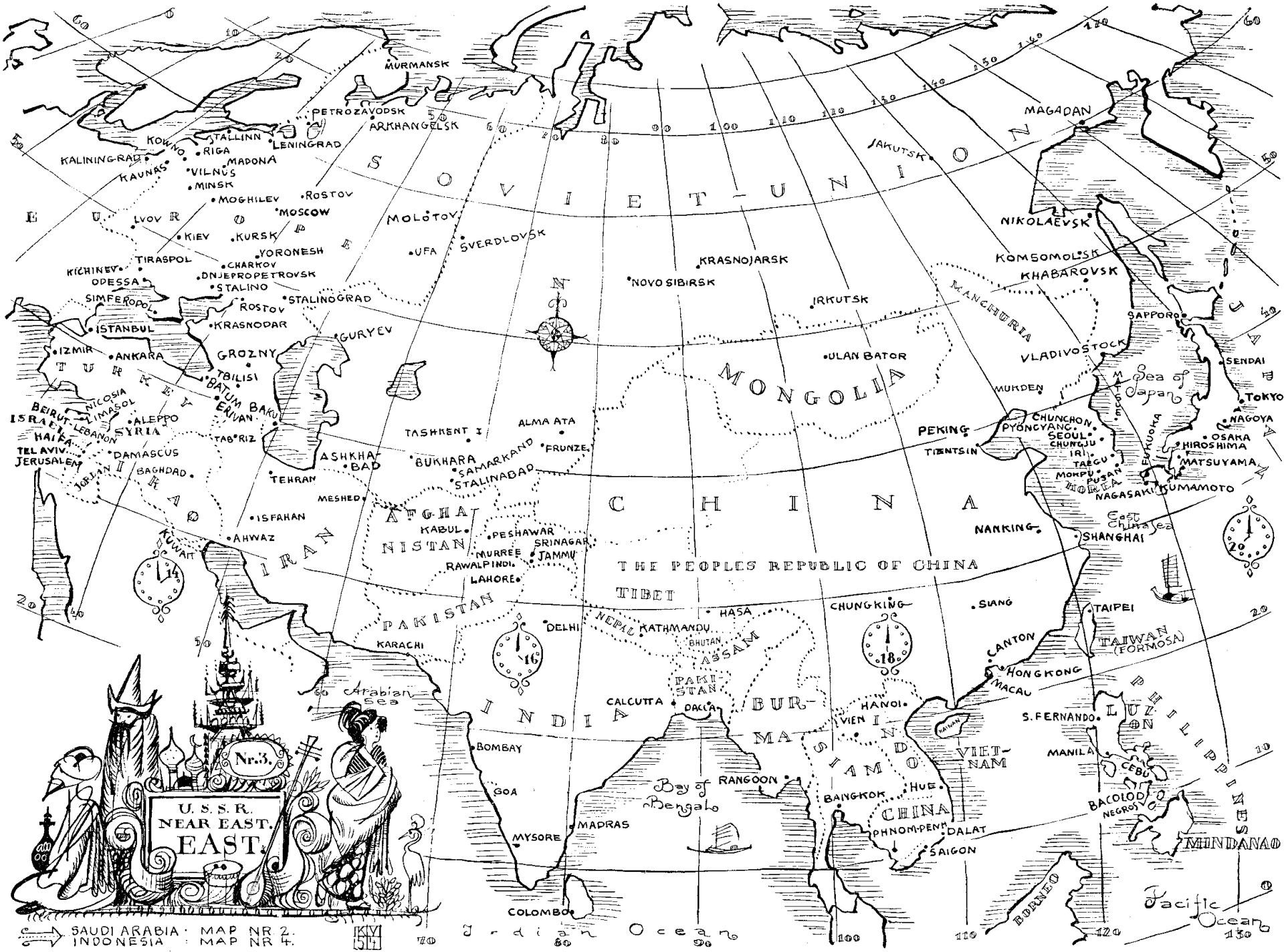
ZANZIBAR

RADIO ZANZIBAR (Govt.)

ADDRESS: Information Office, P.O. Box 344, Zanzibar.
Cable: Information.
LEADING PERSONALITIES: Senior Commissioner: R. H. W. Pakenham. O.B.E. Information Officer: Sheikh Yahya Alawi.
HOME SERVICE:
Kiswahili.W. 14.00–15.00.
Zanzibar 4795 kc/s 62.50 m 0.25 kW.
N.: 14.10–14.25. – Weatherrep.: Thurs. 14.25–14.30 (coming week). – Religious: Mo., Thurs., Fri. 14.25–14.45. – National Music: 14.45–15.00 chiefly Arabic. – Request Progr.: Wed. and Sat. 14.30–15.00 in Arabic, Indian, Kiswahili and English. – Mailbag: Fri. 14.45–14.55. – English Music: Every last Tues. of the month 14.30–15.00.
ANNOUNCEMENT: English: "This is Zanzibar calling". Arabic: "Haatha Saut Zinjibar". Kiswahili: "Hii ni Sauti ya Unguja".
INTERVAL-SIGNAL: Transmissions open with the anthem of His Highness the Sultan of Zanzibar.
VERIFICATION by lettter.

Zanzibar: Sheik Abdulla Saleh Al-Farsi (right), who presents Moslim Religous Programme over Zanzibar Radio. Every Mo. and Thurs. at 14.25–14.45.
R. Africa Tanger: Miss Maryse Martin, Spanish announcer.

Tunesia Uganda Zanzibar Union of South Africa Sheik Abdulla Saleh Al-Farsi Maryse Martin



map Asia Middle East USSR

NEAR EAST

AFGHANISTAN

AFGHAN BROADCASTING SYSTEM (Government)

ADDRESS: Telecommunications Division, Ministry of Communications, Kabul. Cable: Aftel.

LEADING PERSONALITIES: Dir. Gen.: A. A. Durani. Dir. Music: Y. Kasimi. Asst. Dir. Persian Progr.: Sultani. Asst. Dir. Pushto Progr.: Jarrar. English Progr.: M. Ansary.

HOME SERVICE from Kabul Radio in **Pushto, Persian, Urdu:** 660 kc/s 454,5 m 20 kW: 02.30–03.30, 13.30–17.30. N.: 02.45, 15.30.

FOREIGN SERVICE from Kabul Radio in **English:** 9975 kc/s 30.08 m 25 kW: 16.50–17.10. N.: 17.00(D.). **Request Progr.:** Sun., Wed.: 17.15.

ANNOUNCEMENT: National language **Pushto:** "Da Kabul dai". **English:** "This is Kabul Calling, radiating nightly on 454 metres 660 kc/s and on shortwave on 9475 kc/s 30.08 metres".

INTERVAL-SIGNAL: **Home Service:** A record on national flute. **Foreign Service:** March from Bizets opera "Carmen".

VERIFICATION by letter. Reports are welcome.

FUTURE PLAN: Two 100 kW s.w. stations under construction.

CYPRUS

CYPRUS BROADCASTING SERVICE (Govt.)

ADDRESS: P.O.B. 824, Nicosia. Cable: "Broadcasts" Nicosia.

LEADING PERSONALITIES: Controller of Broadc.: (vacant). Acting Controller: G. S. Thomas (Chief Engineer). Chief Eng.: M. W. Heffernan (Ass. Chief Eng.) Acting Chief Eng. Progr. Organiser: David Delany. News Editor: Ernest Main. Music Organiser: J. Robertson. Greek Progr. Supervisor: George Mitsides. Turkish Progr. Supervisor: M. Subhi Riza.

MAIN SERVICE: 692 kc/s 434 m 10 kW.
W. 15.00–21.00. Sun. 07.00–11.00, 15.00–21.00.
Greek: Mo., Wed., Sat. – **Turkish:** Tues., Fri. – **English:** Thurs., Sun. afternoon. – **International:** Sun. morning.

ANNOUNCEMENT in **English, Greek or Turkish** on their respective days: "This is Cyprus Broadcasting Service". – "Edho Kypriaki Radiofoniki Yperesia". – "Burasi Kibris Radyo Servisi".

INTERVAL-SIGNAL: Goat Bells.

VERIFICATION: DX reports answered by personal letter.

FORCES BROADCASTING STATION (Br. War Dept.)

ADDRESS: No. 4 Forces Broadcasting Station, Nicosia.

LEADING PERSONALITIES: Station Commander: Hedley Chambers. Progr. Officer: Peter Buckle. Technical Officer: (Vacant).

STATION: 1093 kc/s 274.5 m 1 kW.

DAILY PROGR.: **English:** 04.30–06.15, 09.45–21.00.

ANNOUNCEMENT: "This is the Forces Broadcasting Station, Cyprus". – INTERVAL-SIGNAL: Musical Box.

VERIFICATION: QSL-card/letter. No return postage required.

SHARQ AL ADNA (Near East Arab Broadcasting Station) Comm.

ADDRESS: P.O. Box 219, Limasol. Cable: Nebsharq.

LEADING PERSONALITIES: Director: R. Poston. Deputy Director: G. R. John. Director of Programmes: Mohammad Ghussein. Public Relations Officer: S. A. Sherif.

HOME SERVICE in Arabic to all Arabic speaking countries:
1st Transmission: 03.55–06.30 – 2nd Transmission: 09.00–20.00.
Fri. and Sun. only: 03.55–20.00.

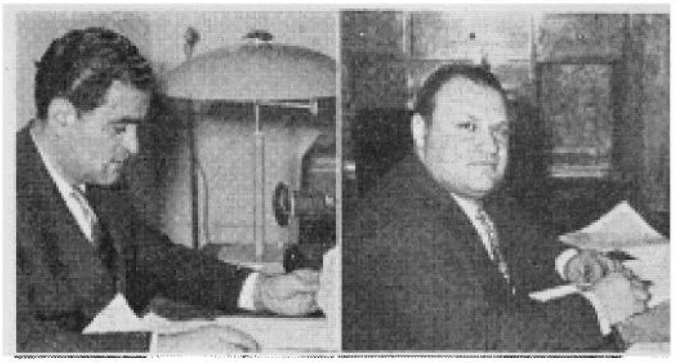
	kc/s	m	kW		kc/s	m	kW
	635	472	7.5	ZJM6	6790	44.18	7.5
ZJM4	6120	49.02	7.5	ZJM8	9650	31.09	5
ZJM5	6170	48.62	5	ZJM7	11720	25.60	7.5

ANNOUNCEMENT: "Mahattat a Sharq al Adna Lil'iza 'al Arabiya".

INTERVAL-SIGNAL: Arabic music and stringed instrument.

VERIFICATION by letter. Reports from Near East Countries welcomed. No return postage required.

FUTURE PLANS: More powerful main medium wave 100 kW transmitter together with a 20 kW short wave transmitter are being erected and hoped to be in operation early in 1955.



Iran: General Director E. Y. Bozorgmehr, Press, Information and Broadcasting. *R. Tehran:* Announcer Reza Sajjadi, who is often heard from R. Teheran.

IRAN

RADIO TEHERAN (Govt.)

ADDRESS: Ark Avenue, Press & Information Dept., Teheran. Cable: "Tablighat", Teheran.

LEADING PERSONALITY: Director: Mr. Esfandiar Y. Bozorgmehr.

HOME SERVICE: **R. Tehran in Persian:**

	kc/s	m	kW	
E. Q. A.	895	335	20	03.00–07.00, 07.30–20.30
E. Q. O.	3960	75.75	20	03.00–05.30, 07.30–20.30
E. Q. B.	6155	48.74	2	03.00–07.00, 07.30–20.30
E. Q. C.	9680	30.99	20	17.30–20.30
E. P. B.	15100	19.87	7/20	17.30–20.30

+ 12 regional stations.

N.: D. 03.30, 11,00, 15,45, 17.30. – **Persian Music:** D. 10.00, 15.00, 17.00 (for half an hour). – **Request Programme:** Fri. 06.30–07.00. – **Weatherrep.:** Between 11.00 and 12.00. – **Time-Sig.:** 03.05, 07.30, 12.30. – **Religious:** D. 08.30–09.00. – **Bourse:** Thurs. 11.00–15.45.

ANNOUNCEMENT: **In Persian:** "Inja Teheran".

EXTERNAL SERVICE: on 895, 3960, 6155 and 9680 kc/s (Su. 15100 kc/s).

13.00–13.15	URDU	19.45–20.00	GERMAN
14.00–14.15	ARABIC	20.00–20.15	FRENCH
19.15–19.30	TURKISH	20.15–20.30	ENGLISH
19.30–19.45	RUSSIAN	Each progr. consist of News & music.	

ANNOUNCEMENT: **English:** "This is Teheran calling". **French:** "Ic Teheran". **German:** "Hier spricht Teheran".

VERIFICATION by QSL-card or letter.
Future Plans: The power of the stations will be increased.

IRAQ

ADDRESS: Baghdad Radio Station, Baghdad.

STATIONS:

767 kc/s	391.1 m	20 kW		7092 kc/s	42.30 m	16 kW
3297 –	91.00 –	16 –		11705 –	25.63 –	16 –
7062 –	42.48 –	16 –				

DAILY PROGRAMMES:
Arabic: 03.55–06.00, 09.00–11.00, 12.55–19.30 on 767, kc/s Relayed on 11705 to 19.15 and on 3297 (exc. 12.55–17.00).
Kurdish: 13.30–17.00 on 3297, 7062 kc/s.
English: 19.15–20.00 on 767, 3297, 7092, 11705 kc/s.

ANNOUNCEMENTS: "This is Radio Baghdad" – "Ici Radio Baghdad" – "Huna Baghdad".

INTERVAL-SIGNAL: Soft chirps of a mechanical nightingale.

VERIFICATION by QSL-card.

ISRAEL

ISRAEL BROADCASTING SERVICE (Govt.

ADDRESSES: **Kol Israel:** P.O. Box 1082, Jerusalem. – **Foreign Service:** Kol Zion Lagolah, P.O. Box 754, Jerusalem. – **Engineering:** Ministry of Posts (Posts, Telegraphs, Telephones and Radio), Jerusalem. – **Cable:** "Gentel, Jerusalem".

LEADING PERSONALITIES: Director General of Ministry of Posts, Telegraphs, Telephones and Radio: H. Ben Menahem. – Dir. of Infor-

Near East Afghanistan Cyprus Iran Bozorgmehr Reza Sajjadi Iraq Israel

mation Services and Israel Broadcasting Service: Moshe Pearlman. – Dir. Tec. (Radio and Transmission): M. E. Berman. – Dir. General Progr.: Dr. Y. Spira. – Dir. Music: Karel Salomon. – Dir. News, Reportage: Chanoch Gifton.

HOME SERVICE

PROGRAM A: KOL ISRAEL

Tel Aviv 4XB36 575 kc/s 521.7 m 50 kW
Haifa 4XB35 1205 – 249 – 0.5 –
Sun. to Thurs.: 04.30–07.00, 10.00–13.30 (Sun. 09.30–13.30), 14.00–21.10. – Fri.: 04.30–07.00, 10.00–21.10. – Sat.: 05.30–22.00.

Tel Aviv	4XB47	652.1 kc/s	460 m	1	kW
Tel Aviv	4XB41	1304 kc/s	230.1 m	1	–
Haifa	4XB42	1336.5 kc/s	224.5 m	1	–
Jerusalem	4XB43	1390 –	215.8 –	1	–
Tel Aviv	4XB51	2442 –	122.9 –	0.5	–
Tel Aviv	4XB44	6725 –	44.61–	1	–
Tel Aviv	4XB31	9009 –	33.3 –	50	–

Daily: 18.30–18.45.
Tel Aviv 4XB21 6830 kc/s 43.92 m 2.5 kW
D.: 06.00–07.00 (Sat. 06.00–06.30), 09.30–10.00 (Sun. only) 12.15–13.30 (Fri., Sat. 12.15–13.00), 16.00–17.00, 18.30–18.45.
Haifa 4XB35 1205 kc/s 249 m 0.5 kW
Sun., Wed., Fri.: 04.00–04.30.

HEBREW:
On 575, 737, 1205 kc/s (18.30–18.45 on all frequencies exc. on 652, 6830 kc/s).

Sat., Wed., Fri.: 04.00–04.30
D.: 04.30–06.00 (Sat. 05.30)
D.: 06.30–10.00
D.: 10.00–12.15
Fri., Sat.: 13.00–14.00
D.: 14.00–16.30
D.: 17.00–21.10
D.: 18.30–18.45
18.45–21.10
Sat.: 21.10–22.00.

N.: D.: 05.00, 11.30, 16.00, 16.15, 18.30, 21.00. – **Weatherreport:** 05.10, 18.40. – **Time-Signal:** 04.30, 05.00, 06.00, 06.15, 06.30, 10.00, 11.30, 12.15, 13.00, 14.00, 16.15, 16.30, 17.00, 18.30.

ARABIC on 575, 737, 1205, 6830 kc/s.
D.: 06.00–07.00 (Sat. 06.30). – D.: 12.15–13.30 (Fri. Sat. 13.00). – D.: 16.30–17.00.

TURKISH on 575, 737, 1205, 6830 kc/s.: Sun. 09.30–10.00. N.: 09.30.

PROGRAM B. KOL ISRAEL LAOLE

Tel Aviv 4XB47 652.1 kc/s 460 m 1 kW
Jerusalem 4XB34 737 – 407.1 – 2.5 –
Haifa 4XB48 1025 – 292.7 – 0.5 –
D.: 11.45–12.15, 16.15 (Fri., Sat. 16.30)–18.00, 18.45–19.15, 20.15–20.30. Tues., Thurs. 18.00–18.30.
Haifa 1336.5 kc/s. – Tel Aviv 1390 kc/s.
D.: 11.45–12.15, 20.15–20.30.
Tel Aviv 6830 kc/s.:
D.: 11.45–12.15, 16.15–16.30 (exc. Fri. Sat.), 17.00–17.30, 18.45–19.15, 20.15–20.30. Tues., Thurs. 18.00–18.30.
Tel Aviv 9009 kc/s.:
D.: 17.00–17.30, 18.45–19.15, 20.15–20.30. Tues., Thurs. 18.00–18.30.
English: D.: 11.45–12.00 (not 9009 kc/s), 20.15–20.30 (News).
French: D.: 12.00–12.15 (News) (not 9009 kc/s), 16.30–17.00 on 652.1 kc/s only.
Hebrew: Sun., Thurs.: 16.15–16.30 on 652.1, 6830 kc/s.
Ladino: D.: 17.00–17.30 on 652.1, 6830, 9009 kc/s.
Yiddish: D.: 17.30–18.00 on 652.1 kc/s only.
Turkish: Tues., Thurs.: 18.00–18.15 on 652.1, 6830, 9009 kc/s.
Persian: Tues., Thurs.: 18.15–18.30 on 652.1, 6830, 9009 kc/s.
Roumanian: D.: 18.45–19.00 on 652.1, 6830, 9009 kc/s.
Hungarian: D.: 19.00–19.15 on 652.1, 6830, 9009 kc/s.

TIME-SIG.: 11.45–12.00.

PROGRAM C. GALEI TSAHAL (FORCES BROADCASTING SERVICE):
Tel Aviv 1304 kc/s – Jerusalem 1390 kc/s – Tel Aviv 6725 kc/s
Haifa 1336.5 kc/s – Tel Aviv 2442 kc/s.
Hebrew: 16.30–20.00. – **Weatherrep.:** 18.40.

FIXED PROGRAMMES IN HEBREW:
Religious: Fri. 14.00–14.30. – Sat. 19.05–19.35 on 575, 737, 1205 kc/s. – **National Music:** Sat. 10.30–11.00, 17.35–18.00, 20.15–20.45 on 575, 737, 1205 kc/s. – **Request Program:** Wed. 19.45–21.00. Fri. 15.00, – 16.00 on 575, 737, 1205 kc/s. – **Program Preview:** D. 17.28 on 575, 737, 1205 kc/s. – **Bourse:** D. 16.10.

ANNOUNCEMENT: Program A and B: **Hebrew:** "Kol Israel". – **Yiddish:** "Kol Israel Laole". – **Arabic:** "Hunna Muhatt at Israil". – **English:** "Kol Israel. – This is the Voice of Israel Broadcasting". – **French:** "Ici "Kol Israel" La Voix d'Israel". – **Hungarian:** "Kol Israel – It Oz Israeli Radio". – **Roumanian:** "Aci e Postul de Radio, Kol Israel". – **Ladino:** "Aqui "Kol Israel" La Boz de Israel". – **Turkish:** "Burasi Israelin sesi radyo istasyonu". – **Persian:** "In sedai Israil". **Program C:** "Galei Tsahal" (Forces Broadcasting Service).

INTERVAL-SIGNAL: Program A & B: Traditional Bible cantellation played on oboe strings.

OVERSEAS BROADCASTING SERVICE OF THE WORLD ZIONIST ORGANIZATION - KOL ZION LAGOLAH: THE VOICE OF ZION

ADDRESS: The Voice of Zion. P.O. Box 754, Jerusalem.

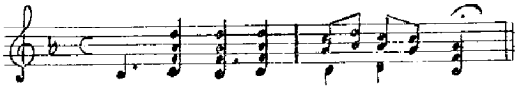
LEADING PERSONALITIES: Chairman of the Board of Directors: Z. Shazar. – Coordinator, Board of Directors: I. Klinov. – Acting Dir.: E. Argov. – **Kol Zion Lagolah:** Dir. English Section: G. Wigoder. – Acting Dir. French Section: D. Catarivas. – Dir. Yiddish Section: M. Gross-Zimmerman. – Dir. Hebrew Section: E. Shmueli. – Dir. Mus.: M. Lavry.

STATION: Tel Aviv 4XB31 9009 kc/s 33.3 m 50 kW.

DAILY PROGRAMMES for C. and W. Europe, N. Africa.:
Yiddish: 19.15–20.00. – **N.:** 19.19 (Sun.-Thurs. only).
Hebrew: 20.00–20.15. – **N.:** Weekly news round up every Fri.
French: 20.30–21.15. – **N.:** Fri. 20.40.
English: 21.15–22.00(Sun. 22.30): – **N.:** 21.15. – (Sun. to Thurs. Newsreel). Fri. 21.25(Sun. 21.30).
Hebrew Lessons: Mo., Tues.: 20.05 for listeners with a minimal knowledge of Hebrew and the object will be to teach them the language as spoken in Israel today. –

ANNOUNCEMENTS: Hebrew: "Kol Zion Lagolah". – **English:** "The World Zionist Organisation presents from Jerusalem "Kol Zion Lagolah", the Voice of Zion, Shalom Aleichem". – **French:** "Ici Jerusalem. Kol Sion Lagolah "La Voix de Sion". L'Organisation Sioniste Mondiale présente son émission quotidienne destinée a la diaspora. Chalom alékhem". – **Yiddish:** "Kol Israel. Du ist Kol Zion Lagolah fun Yerushalayim. Shalom".
Full information about times of transmission in the summer is given in the weekly programme notes, which are published 6 weeks in advance and sent out by airmail.

INTERVAL-SIGNAL: First phrase from the second half of the national Anthem "Hatikvah".



VERIFICATION by QSL-card and letter. Return postage not required.

JORDAN

HASHEMITE JORDAN BROADCASTING SERVICE (Govt.)

ADDRESS: Ramallan, Jordan.

LEADING PERSONALITIES: Controller: Thabet N. Khalidi. Asst. Controller: Abdel Qader Taowry.

HOME SERVICE in Arabic and English:
677 kc/s 443 m 20 kW
Arabic: 05.00–05.45, 12.00–12.30, 16.00–19.30. **English:** 11.30–12.00, 15.15–16.00. **Religious:** Fri. 09.15–10.30 noon prayers from Agsa Mosque in Jerusalem. **Request Progr.:** Fri., Sun. 18.15–19.00. **Program Preview:** D. 16.10–16.15. **Time-Signal:** 05.00, 11.30, 12.00, 15.15, 16.00, 19.00. **N.:** 05.00 (Arabic) 11.30 (English), 12.00 (Arabic), 16.00, 19.00 (Arabic). – **Sport:** Fri. 17.15–17.30.

ANNOUNCEMENT: English: "This is the Hashemite Jordan Broadcasting Service calling from Jerusalem" or "This is Jerusalem calling". **Arabic:** "Dar ul Ithaa al-Urduniya al Hashimiya fil Quds" or "Huna l Quds".

VERIFICATION by QSL-card.

FUTURE PLANS: A 5 kW short wave transmitter to broadcast program simultaneously with m.w. broadcasts.

KUWAIT (Persian Gulf)

RADIO KUWAIT

ADDRESS: Security Department, Kuwait.

LEADING PERSONALITY: Chief of Public Security: Dir. Shaikh Abdulla Mobarak.

HOME SERVICE in Arabic:
5000 kc/s 60.00 m 1 kW.
17.00–20.00 (Summer 18.00–21.00), 05.00–07.00 (Fri.).

ANNOUNCEMENT: "Huna Kuwait, Mahattat Kuwaitia".

VERIFICATION by letter.

LEBANON

LIBANESE BROADCASTING STATION (Govt.)

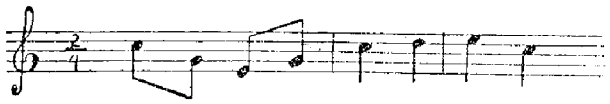
ADDRESS: Station de Radiodiffusion de la République Libanaise, ministère de l'Information, Beyrouth. Cable: "Radioliban".

LEADING PERSONALITIES: Dir. Gen. de Ministère de l'Information: A. El-Assad. Ass. Dir.: N. Lian. Chief of Broadcasting: F. Kassem. Chief Eng.: J. Rouhayem.

HOME SERVICE in French, Arabic and English:
836 kc/s 359 m 4 kW – 8036 kc/s 37.34 m 2 kW.
W.: 04.30–07.30, 10.00–13.15, 15.00–21.30. Fri.: 04.30–13.15. Sun.: 05.00–13.00, 14.30–21.30.
Arabic (N.): 05.00–05.15 (Sun. 06.00–06.15), 11.00–11.15, 18.00–18.20, 21.20–21.30. French (N.): 05.30–05.45, 11.30–11.45, 19.00–19.15. English: 15.00–16.00. – Oriental Music: 06.45.
Request Progr. in French: Sun. and Thurs.: 10.00–11.30.

ANNOUNCEMENTS: Arabic: "Houna Beyrouth, Mahattat al' Iza'a al Loubnaniat". French: "Ici Beyrouth, Station de Radiodiffusion de la République Libanaise". English: "This is the English programme of the Lebanese Broadcasting Station in Beiruth".

INTERVAL-SIGNAL: For medium- and short wave:



VERIFICATION by QSL-card or letter.

SAUDI ARABIA

SAUDI ARABIAN BROADCASTING (Gvt.)

ADDRESS: Mecca.

STATIONS: Djeddah 3 kW.

725 kc/s	413.8 m	5975 kc/s	50.21 m	11650 kc/s	25.75 m
3950 –	75.95 –	6100 –	49.18 –	11750 –	25.50 –
3960 –	75.75 –	6175 –	48.58 –	11850 –	25.32 –
3980 –	75.37 –	7120 –	42.13 –	11950 –	25.10 –
3990 –	75.18 –	9650 –	31.09 –		

HOME SERVICE in Arabic:
Saudi Arabia have no Standard Time. Twelve hours periods commence at sunrise and sunset, i.e. with a few minutes difference every day. (Therefore "one o'clock" means one hour after sunrise, i.e. approx. 7. a.m. etc.). Arabic broadcasts from Djeddah are scheduled according to local time and therefore differ from day to day.

04.00–05.00, 17.15–18.15: Aden, Yemen (76 m.b.), Red- and Persian Gulf Area (75 m.b.), Masira and Mosira Gulf Area (41 m.b.), Syria, Lebanon, Iraq, Transjordan (49 m.b.)

11.00–11.30, 15.45–16.30: Aden, Yemen (76 m.b.), Red- and Persian Gulf Area (50 m.b.), Masira and Mosira Gulf Area (31 m.b.), Syria, Lebanon, Iraq, Transjordan (25. m.b.)

FOREIGN SERVICE:
13.00–13.40 Urdu 25 m.b., to Pakistan.
14.00–14.40 Indonesian 25 m.b., to Indonesia.

ANNOUNCEMENT: "Il-eza'a la azikiyah l'ilmamlakat es Saoudiyah".

INTERVAL-SIGNAL: 8 notes played on a native flute.

VERIFICATION by letter.

SYRIA

SYRIAN BROADCASTING SERVICE (Govt.)

ADDRESS: Rue de la Victoire, Damascus.

STATIONS: Medium Waves:
Damascus 602 kc/s 500.2 m 2 kW, 665 kc/s 451.2 m 50 kW
Aleppo 719 kc/s 417.2 m 7.5/20 kW
Short Waves: Damascus:

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
6060	49.50	0.5	7145	41.99	7.5/20	11750	25.53	0.5
6135	48.90	7.5	9525	31.50	7.5	11915	25.17	7.5 20
6165	48.66	20	9555	31.40	7.5/20	15395	19.49	20
6200	48.39	7.5	11695	25.65	7.5/20	17865	16.80	20

HOME SERVICE:
Arabic:
04.30–07.00 on 665, 6165 kc/s
07.00–07.30 on 602 kc/s
11.30–13.00 on 719, 6165 kc/s
15.00–22.00 on 719, 11915 kc/s
15.00–18.00 on 6165, 9526 kc/s
19.30–22.00 on 9526 kc/s
19.30–20.00 on 602 kc/s.

English:
10.00–11.30 on 602, 719, 7145 kc/s

French:
07.30–10.00 on 719 kc/s
13.00–14.00 on 602, 7145 kc/s

FOREIGN SERVICE:
English: 21.30–22.30 on 9555 kc/s to Europe.
French: 20.30–21.30 on 9555 kc/s to Europe.
Hebrew: 14.00–15.00 on 665, 719, 6165 kc/s.
Arabic and English: 14.45–15.45 on 17865 kc/s to India, Pakistan.
Arabic/Spanish/Portuguese: 00.00–02.00 on 9555, 11915 kc/s to Central and South America.
Turkish: 18.15–19.15 on 6165 kc/s to Turkey.

ANNOUNCEMENT: in Arabic: "Huna Dimashq". In English: "Here is Damascus". In Turkish: "Burasi Cham".

VERIFICATION by QSL-card.

FUTURE PLANS: Service to N. America and German.

TURKEY

RADIO ANKARA (Govt.)

ADDRESS: Basin-Yayin ve Turizm Genel Müdürlügü, Radyo Dairesi, Ankara, Turkey. Cable: Basin-Yayin Ankara.

LEADING PERSONALITIES: Director General of the Turkish Press, Broadcasting and Tourist Department: Muammer Baykan. Director of Radio Branch: Refik Ahmet Sevengil. Director R, Ankara: Münir M. Bekman. Director R. Istanbul: Mesut Cemil. Director R. Izmir: Ümit H. Demiriz.

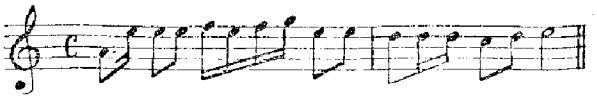
HOME SERVICE in Turkish:

	kc/s	m	kW	
Türkiye TAR	182	1648	120	04.30–07.00, 10.00–14.00, 15.00–22.00
Istanbul TAW	701	428	150	10.30–13.00, 15.00–22.00
Izmir	6600	45.45	0.5	14.00–20.45

N.: D.: 182 kc/s: 05.45–06.00, 11.00–11.15, 17.00–17.15, 20.45–21.00. – On 701 kc/s: 11.45–12.00, 17.45–18.00, 21.15–22.00. – On 6600 kc/s: 14.30–14.45, 19.45–20.00.
Weatherrep.: on 182 kc/s: D. 05.45, 14.00. – Time-Sig.: On 182 kc/s: D. 11.00, 17.00 and 20.45.
Religious Progr.: On 182 kc/s: Tues., Thurs. 17.45–17.55. Fri. 04.30–04.40. – English Lessons: On 182 kc/s: Sun., Tues., Wed., Sat. 16.00–16.15. – Progr. Preview: At the beginning and at the end of all transmissions and a weekly programme preview at 12.20 Sat. on 701 kc/s. – Missing Persons Announcements: 182 kc/s Sat. 14.00. – 701 kc/s Thur. 16.00. – Commentary: D. 18.15–18.30 on 182, 701, 6600 kc/s. – Bourse: D. 21.30–21.35 on 701 kc/s, 20.30–20.35 on 6600 kc/s.

ANNOUNCEMENT: "Burasi Ankara" (or Istanbul, or Izmir).

INTERVAL-SIGNAL ISTANBUL: An old Turkish popular song "Üsküdara gider iken".



FOREIGN SERVICE:

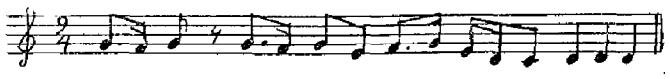
Ankara I 20 kW			Ankara II 100 kW		
TAN	6000 kc/s	50.00 m	TAL4	7140 kc/s	42.02 m
TAM	7240 –	41.44 –	TAS	7285 –	41.18 –
TAP	9465 –	31.70 –	TAT	9515 –	31.53 –
TAK	11760 –	25.51 –	TAO	11880 –	25.25 –
TAQ	15195 –	19.74 –	TAU	15160 –	19.79 –
TAD	17720 –	16.93 –	TAL3	15220 –	19.71 –
			TAV	17820 –	16.84 –
			TAX	21660 –	13.85 –

ME = Middle East; E = Europe; NA = North America; SA = South America; I = Iran; A = Afghanistan; I/P = India/Pakistan; SEA = South East Asia; HS = Home Service; FS = Foreign Service.

	Oct./Dec.	Jan./March	Apr./June	July/Sept.	
Arabic	16.30–17.00 31.70	31.70	31.70	31.70	ME
Bulgarian	18.00–18.15 31.70	31.70/41.18	31.70/41.18	31.70	E
English	21.00–21.45 41.18	31.70	31.70 / 19.79		E
English	23.15–24.00 31.53	31.53	31.53	31.53	NA
English	13.30–14.15 16.84	16.84	16.84	16.84	SEA
French	20.15–20.45 41.18	41.18	19.79	19.79	E
German	19.30–20.00 41.18	41.18	19.79	19.79	E
Greek	17.15–17.45	41.18/31.70			E
Hungarian	19.00–19.15	41.18/31.70	31.70/19.79		E
Italian	19.30–20.00	31.70			E
Persian	16.00–16.30	31.70			I
Polish	19.15–19.30	41.18/31.70	31.70/19.79		E
Pushtu	15.00–15.15 31.53	16.84	16.84	31.53	A
Rumanian	17.45–18.00	41.18/31.70			E
Serbo-Croat	18.30–19.00	31.70			E
Spanish	22.30–23.00	31.53			SA
Turkish	20.00–20.15	41.18/31.70	31.70/19.79		HS +
Turkish	20.45–21.00	31.70			FS
Urdu	14.30–15.00 31.53	16.84	16.84	31.53	I/P

Programmes consist of "News from Turkey" and music.

ANNOUNCEMENT: **Arabic:** Houna Ankara; **English:** This is Radio Ankara, Turkey; **French:** Ici Radio Ankara; **German:** Hier ist Ankara; **Greek:** Edho Ankara; **Hungarian:** Halloit Ankara; **Italian:** Qui Radio Ankara; **Persian:** Indja Ankara; **Polish:** Tumowi Ankara; **Pushtu:** Da de Ankara Radyo da; **Rumanian:** Aici Ankara; **Serbo-Croat:** Ovde Ankara; **Spanish:** Aqui habla Radio Ankara, Turquia; **Urdu:** Ye Ankara ki Radyo he; **Bulgarian:** Govori Ankara.
INTERVAL-SIGNAL: An old Turkish dance-tune "Sari Zeybek".



VERIFICATION by QSL-card. No return postage is required.

FUTURE PLANS: 3 mw-stations in Erzurum, Adana, Izmir (50 kW) are expected opened in 1955/56. FM-station in Ankara to be opened in 1955.

TECHNICAL UNIVERSITY OF ISTANBUL (Gvt.)

ADDRESS: Teknik Üniversite, Elektrik Fakültesi. Yüksek Frekans Teknigi Laboratuvari, Istanbul.

LEADING PERSONALITIES: Head of Radio Laboratory: Prof. M. Santur. Assistants: T. Saya, P. Apaydin. Announcer and Technician: I. Çelikbas.

HOME SERVICE: I.T.Ü.=Istanbul Teknik Üniversitesi.
6250 kc/s 48.00 m 1 kW 18.15–20.00 (exc. Sat.)
7030 – 42.67 – 0.5 – 18.15–20.00 (exc. Sat.)
Frequencies are shifted slightly if interference occur.
Programmes consist of **National** (Turkish) and **Classical** music. **Turkish Music:** Sun., Tues., Thurs. 18.15–18.45. **Progr. Preview** Sun. 18.45–18.50.

ANNOUNCEMENT: **Turkish:** "Burasi Istanbul Teknik Universitesi Radyosu" (English: "Here is the Radio Station of the Technical University of Istanbul".

INTERVAL-SIGNAL: "Turkish March" by Mozart.

VERIFICATION by letter. Return postage required.

FUTURE PLANS: A 0.5 kW FM station will probably operate at the end of 1954.

TECHNICAL SCHOOL OF ISTANBUL

ADDRESS: The Technical School, Radio Laboratory, Yildiz, Istanbul. **Station:** 6690 kc/s 44.80 m 0.2 kW: Sun. 07.00–09.00, D.: 17.00–18.00: Western and Turkish recordings.

YEMEN: Sanaah (Govt.)

7365 kc/s 40.62 m 1 kW. Testing.

EAST

NORTH BORNEO (British)

ADDRESS: Director of Post- and Telegraph, Jesselton (Govt.).

HOME SERVICE: Principal languages: English, Malay, Dunsun, Chinese.
VS4S 7237 kc/s 41.45 m 0.25 kW. **English:** Mo., Wed., Fri. 03.50–05.00. **Malay, Chinese:** Tues., Thurs. 04.00–04.45 (Sat. 05.15).
A new broadcast service has been planned and equipment is ordered from the United Kingdom to supplement this. This will include a 5 kW transmitter.

BURMA

THE VOICE OF BURMA (Govt.)

ADDRESS: No. 28, Windermere Crescent, Rangoon.

LEADING PERSONALITIES: Dir. Broadc.: U. Khin Zaw, B. A., F. L. A. Deputy Dir. Broadc.: U. Pe Thaw, B. A. Dir. Tec.: U. Pu Doe, M. I. R. E.

HOME SERVICE in Burmese, English, Hindustani, Indigenous Languages: Rangoon (m.w. 5 kW, s.w. 7.5 kW).
955 kc/s 314 m 01.00–02.30, 05.30–07.30, 12.00–15.15
4774 – 62.83 – 12.00–15.15
6034 – 49.71 – 05.30–07.30
9543 – 31.44 – 01.00–02.30, 05.30–07.30, 12.00–15.15
Burmese: 01.00–01.15, 01.30–02.15, 05.30–06.15, 06.45–07.30, 12.00–14.15.

N.: 01.30, 07.15, 13.15. Commentary: Sun. 13.30. **Weatherrep.:** 13.30–13.33. **Time-Sig.:** 12.30, 13.00, 13.15. **Progr. Preview:** 14.13–14.15. **Burmese Music:** D. 01.35–02.00 (exc. Sun., Mo.), 13.30–14.13. **Request Progr.:** Sun. 01.35–02.10. D. exc. Mo., Tues. 06.45–07.15 .Sun., Wed., Fri. 12.35–13.00. **Mailbag:** 02.00–02.05, 12.35–12.40 (Mo., Tues., Thurs., Sat.), 13.00–13.15 (Sun.).
English: 01.15–01.30, 06.15–06.45, 14.15–15.15.

N.: 01.25, 06.30, 15.00. **Weatherrep.:** 15.05–15.08. **Time-Sig.:** 15.00. **Progr. Preview:** 15.13–15.15. **Relig. Progr.:** Sun. 14.45–15.00. **Request Progr.:** Sun. 06.15–06.30. Wed., Fri. 14.30–15.00.
Hindustani: 02.15–02.30. N.: 02.22.
Indigenous: 12.00–12.30.

ANNOUNCEMENT: **English:** "This is the Voice of Burma".

INTERVAL-SIGNAL: Burmese Progr.: Signature tune: Burmese oboe, gongs and drums. English Progr.: Signature tune: Eric Coates "Calling all Workers". Before news Mozart's "Minuetto Allegretto in E Flat". After news: "Shepherds Dance" from Beethoven's Pastoral Symphony.

VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: The expanded internal and external service using one 50 kW m.w. transmitter and three 50 kW s.w. transmitters will commence early in 1956.

CEYLON

RADIO CEYLON (Govt.)

ADDRESS: Torrington Square, Colombo 7. Cable: "Radceylon".

LEADING PERSONALITIES: Dir. Gen.: M. J. Perera, C.C.S. Dir. Tec.: N. S. Wickremasinghe. Dir. National Service: V. M. Abeysereka, C.C.S. Dir. Comm. Service: C. R. Dodd.

STATIONS: N.=National Service C=Commercial Service.

kc/s	m	kW		kc/s	m	kW	
640	469.0	0.25	C	5025	59.70	1	N
700	428.6	15	N	6006	49.95	7.5	C
870	344.8	0.25	N	7190	41.72	7.5/35	C
920	326.0	1	N	9520	31.51	100	C
4870	61.60	7.5	C	11770	25.49	35	C
4900	61.22	7.5	N	17820	16.84	7.5/35	C
4965	60.42	7.5	N				

NATIONAL SERVICE

ENGLISH on 920, 5025 kc/s: W.: 01.30–03.30, 07.15–08.15, 11.30–16.45. Sun.: 01.30–08.30, 11.30–16.45.
N., Commentary: 02.00–02.10, 07.30–07.45, 13.45–14.00(W.). – **Request Progr.:** 12.30–13.00 (exc. Wed., Sun.). – **Religious Progr.:** 01.50–02.00, 12.15–13.00 (exc. Wed.). – **Weatherrep.:** 02.10–02.15, 16.40–16.45. – **Time Sig.:** 01.30, 02.00, 07.30, 11.30 and on the hour between programmes if 13.30, 14.30 & 15.30 are the starting times of programmes.

SINHALESE on 700, 4900 kc/s: W.: 01.30–02.30, 06.30–07.30, 11.00–16.00 (on New Moon days 17.00). Sun.: 01.30–05.00, 06.30–07.30, 11.00–16.30.

N., Commentary: 01.45–01.55, 07.15–07.25, 13.30–13.45(W.). – **Sinhalese Music:** 02.00–02.30, 06.30–07.00, 12.00–12.30. – **Request Progr.:** Mo., Wed.: 13.00–13.30. Thurs., Fri.: 14.15–15.00. Tues.: 15.00–15.30. Sun.: 15.00–15.25. Sat.: 15.30–16.00. – **Mailbag:** Mo. 14.30–14.45. – **Religious Progr.:** D.: 01.30–01.45. Sun.: 02.30–03.30. Sun. once a month: 03.30–04.30. Tues. 12.15–12.30. Wed. 14.15–15.00. Thurs. 13.15–13.30. Fri. 13.00–13.30. Thrice a month on Full Moon and two quarter days: 16.00–16.15. Once a month on New Moon day: 16.00–17.00. Once a month on Full Moon day: 14.00–15.00. – **Weatherrep.:** D.: 07.25–07.30. Weekdays: 13.40–13.45. Sun. 15.25–15.30. – **Time Sig.:** Every hour.

TAMIL on 870, 4965 kc/s: W.: 01.30–03.00, 06.30–07.30, 12.15–16.30. Sun.: 01.30–04.30, 06.00–08.00, 12.15–16.30.

N., Commentary: 02.00–02.10, 07.15–07.25, 14.00–14.10, 15.00–15.15 (Sat). – **Tamil Music:** 01.30–01.35, 01.45–02.00, 02.15–03.00, 06.45–07.15. Mo., Wed., Sat.: 14.15–14.45. Mo., Wed., Thurs., Sun.: 15.15–15.45. – **Request Progr.:** Tues. 14.45–15.30. Thurs. 16.00–16.30. – **Religious Progr.:** D.: 01.35–01.45. W.: 13.00–13.30. Alternate Sun.: 03.30–04.30. Sun. exc. last Sun. of the month: 12.30–13.00. – **Mailbag:** Alternate Sun.: 14.00–14.15. – **Weatherrep.:** 02.10–02.15, 07.25–07.30, 14.10–14.15. – **Time Sig.:** Every hour whereever possible.

COMMERCIAL SERVICE:

CEYLON SERVICE: **English, Sinhalese, Tamil:**
01.30–17.30: 640, 4870 kc/s.
N. in English: D.: 02.00 (BBC), 07.30. – **Request Progr.: (Sinhalese):** Sun. 07.30. – **Sunday Choice (English):** Sun. 08.30. – **Sport:** Sat. 07.30–13.00. – **Religious Progr.:** Sun.

INDIA SERVICE: **English:**
01.30–04.30: 7190, 11770 kc/s. 11.30–17.30: 6006, 9520 kc/s.
N.: D.: 02.00 (BBC), 12.45, 13.00 (BBC). – **Religious Progr.:** Sun. 03.30–04.30. Mo.–Fri.: 04.00–04.15. Tues., Wed., Fri. & Sat.: 04.45–05.15. D.: 16.00–16.30(Thurs. 17.00). – **Time Sig.:** Every hour.

EAST

Indonesian Dancer.
↓

Broadcasting of NO-Drama »Dojoji« by Motosada Kanze a special Japanese form for Plays, 600 years old.

Pakistan: The well-known Hindi poetess: Sumitra Kumari Suiha broadcasting her poems in the External Services' Women's Programme.

Radio Ceylon: Orchestra-leader Edwin Samaradivakara and his orchestra.

Radio Tahiti: Native orchestra heard from Radio Tahiti. →

Indonesia: From a gamelan orchestra of Surakarta. Picture shows a bowing instrument the "rebale" which usually initiates the melodi and in the course of the melody often "reaches forward" – as it were – to announce "what is coming next".
←

East Indonesia Motosada Kanze Pakistan Sumitra Kumari Suiba Radio Ceylon Edwin Samaradivakara Radio Tahiti Indonesia

Ceylon – India

INDIA SERVICE: Hindi:
01.30–04.30: 9520 kc/s; 11.30–16.30: 7190 kc/s.
Request Progr.: D.: 02.30. Sun.: 15.00. – "Tamil Hour": D.: 12.30–13.30.

AFRICA SERVICE: English: 05.15–06.30 on 17820 kc/s.

SOUTH-EAST ASIA SERVICE: English: 09.15–11.15 on 17820 kc/s.

ANNOUNCEMENTS: National Service: English: "This is the National Service of Radio Ceylon". – Commercial Service: English: For Ceylon: "You are tuned to the Commercial Service of Radio Ceylon". – For India: "This is the Commercial Service of Radio Ceylon".
INTERVAL-SIGNAL: Commercial Service: Opens and closes with "Strike up the Band".
VERIFICATION: National Service: by letter. – Commercial Service: QSL-card.

VOICE OF AMERICA RELAY:

ADDRESS: Voice of America, c/o American Embassy, Colombo, or Voice of America, Washington 25, D.C., USA.
STATIONS: Short Wave: 35 kW, 11.30–17.30.
7110 kc/s 42.19 m – 11875 kc/s 25.26 m.

DAILY PROGRAMMES:

11.30	Indonesian	14.00	Urdu (Wed.: Tamil)
12.00	Burmese	15.00	English
12.30	Vietnamese	16.00	Persian
13.15	Bengali (Mo. only)	16.30	Persian
13.30	Hindi (exc. Mo.)		

ANNOUNCEMENT: "This is Radio Ceylon, relaying programs of the Voice of America".
VERIFICATION by QSL-card. No return postage required.

THE PEOPLES REPUBLIC OF CHINA

BROADCASTING ADMINISTRATION BUREAU (Govt.)

ADDRESS: Broadcasting Administration Bureau, 3 Hsi Ch'ang an Chieh, Peking.

HOME SERVICE:

CENTRAL PEOPLE'S BROADCASTING STATION

First Programme:
22.30–00.25: 640, 1040, 3915, 6100, 6170, 6225, 7170, 7500, 9040, 9555, 10260 kc/s.
01.30–05.20: 640, 1040, 3915, 6100, 3960, 7500, 9040, 9735, 10260, 11835, 11900, 11930, 15255 kc/s.
08.55–14.55: 640, 1040, 3915, 6100, 6170, 6225, 7500, 9040, 9555, 10260, 11835 kc/s.
15.10–19.00: 3915, 3960, 6100, 6170, 7170, 7500, 9040, 9555, 10260 kc/s.

Second Programme:
23.00–01.00, 03.00–06.00, 09.55–15.30: 728 kc/s.

Peking	850, 710, 1080 kc/s	**Nanking**	1080, 1260 kc/s
Tientsin	860, 920, 1110, 1410 kc/s	**Wuhan**	920, 1320 kc/s
Shanghai	900, 1020, 670, 750, 1080, 1330, 1290 kc/s	**Sian**	1280, 1420 kc/s
		Chungking	1200, 1300 kc/s
Shenyang	980, 1070 kc/s	**Canton**	913, 670, 1370 kc/s

FOREIGN SERVICE:

RADIO PEKING

Amoy-Dialect:	22.30–23.00 / 12.30–13.00	700,	9660, 11300, 11690, 15060, 15105 kc/s / 9025, 9660, 11300, 11690, 15060 kc/s
Burmese:	01.00–01.30	700,	9660, 11300, 11690, 15060, 15105 kc/s
	13.00–13.30	700,	9025, 9660, 11300, 11690, 15060 kc/s
Cantonese Dialect:	22.00–22.30 / 10.00–10.30	700,	9660, 11300, 11690, 15060, 15105 kc/s / 9660, 11300, 11690, 15060, 15105 kc/s
Chaochou Dialect:	00.30–00.45 / 14.00–14.30	700,	9660, 11300, 11690, 15060, 15105 kc/s / 9025, 9660, 11300, 11690, 15060 kc/s
English:	03.00–03.30	9660,	11300, 11690, 11960, 15060, 15105 kc/s
	09.00–09.30	700,	9660, 11300, 11690, 15060, 15105 kc/s
	14.30–15.00	700,	9025, 9660, 11300, 11690, 15060 kc/s
Indonesian	23.00–23.30	700,	9660, 11300, 11690, 15060, 15105 kc/s
	10.30–11.00	700,	9660, 11300, 11690, 15060, 15105 kc/s
Japanese:	21.00–22.00	640,	1040, 6100, 9660, 10260, 11690 kc/s
	11.00–11.30	9660,	11690, 15060 kc/s
Ke-chia Dialect:	00.45–01.00 / 09.30–10.00	700,	9660, 11300, 11690, 15060, 15105 kc/s / 9660, 11300, 11690, 15060, 15105 kc/s
Korean:	20.30–21.00	640,	1040, 6100 kc/s
	08.15–08.45	6100,	9660, 10260 kc/s
Thai:	00.00–00.30	700,	9660, 11300, 11690, 15060, 15105 kc/s
	13.30–14.00	700,	9025, 9660, 11300, 11690, 15060 kc/s
Vietnamese:	23.30–24.00 / 11.30–12.00	700,	9660, 11300, 11690, 15060, 15105 kc/s / 9025, 9660, 11300, 11690, 15060 kc/s

VERIFICATION by QSL-card.

GOA (Portuguese India)

EMISSORA DE GOA (Comm.)

ADDRESS: Emissora de Goa, Cidade de Goa, Portuguese India. Cable: Emissora, Goa.

LEADING PERSONALITIES: Pres.: J. Oliveira Chaves. Asst. Dir.: J. E. Lima do Souto. Dir. Tec.: V. Carvalho. Chief of Bureau: C. da Piedade Duarte Catulo. Dir. of Arts: M. C. Lobo. Comm. Service: G. Martins.

HOME SERVICE:

	557 kc/s	538.0 m	2.5 kW	07.30–19.30	
CR8AB	3425	87.70 m	5	–	exp.
CR8AB	6025	49.79 –	5	–	02.00–17.30
CR8AB	9610	31.22 –	10	–	02.00–17.30

02.00–02.30	Portuguese	07.00–08.00	English
02.30–03.30	Urdu or Marathi	08.00–09.00	Portuguese
		09.00–13.00	English
05.00–06.00	Gujarati	16.30–17.30	Portuguese
06.00–07.00	Hindi		

Emigrants Progr.: 14.00–15.30 in Konkani. – Religious Progr.: English: 15.30–16.30. Portuguese: 13.00–14.00. – "Bringing Christ to the Nations": 15.30–17.00. – "Old Fashioned Revival Hour": 15.30–16.30.

ANNOUNCEMENTS: English: "Radio Goa – Voice of Goa – Voice of Portugal". Portuguese: "Emissora de Goa – Voz de Goa – Voz de Portugal". English Commercial Service: "This is the Commercial Service of Radio Goa".

VERIFICATION by letter.

FUTURE PLANS: 10 kW transmitters planned to operate on 15235 17795, 21685 kc/s.

HONG KONG

RADIO HONG KONG (Govt.).

ADDRESS: Radio Hong Kong, Broadcasting Department, Hong Kong Government, P.O. Box 200, Hong Kong. Location: Electra House, 3 Connaught Road, Hong Kong. Cables: "Broadcasts".

LEADING PERSONALITIES: Acting Controller of Broadcasting: Donald E. Brooks. Senior Progr. Assistant, ZEK: Chow Nai Yeung. Dir. Tec.: A. T. B. Bardens.

HOME SERVICE:
ZEK 640 kc/s 468 m 2 kW Chinese – ZBW 860 kc/s 349 m 2 kW English – ZBW3 9525 kc/s 31.50 m 2.5 kW English/Chinese.

ENGLISH:
860 kc/s:
W.: 23.00–01.00, 04.30–06.00, 10.00–15.30. Sat.: 23.00–01.00, 04.30–15.30. Sun. 02.00–15.30. Public Holidays: 00.00–15.30.
9525 kc/s (relays from ZBW – 860 kc/s):
W.: 04.30–05.30, 10.30–12.30, 14.30–15.30. Sun.: 02.00–05.30, 10.30–12.30, 14.30–15.30. Public Holidays: 00.00–05.30, 10.30–12.30, 14.30–15.30.

N.: 00.00, 05.15 and BBC relay 11.00. – Radio Newsreel: 15.00. – Goodnight Music: 15.15. – "French Half Hour": Tues. 10.30. – "Portuguese Half Hour": Tues. 09.30.

CHINESE:
640 kc/s:
Mo.–Sat. 00.00–01.00, 03.30–06.00, 10.00–15.30(or 16.00 if Theatre relays). Sun. 04.00–15.30. Public Holidays: 00.00–15.30.

9525 kc/s (Relays from ZEK – 640 kc/s):
W.: 05.30–06.00, 10.00–10.30, 12.30–14.30. Sun.: 05.30–06.00, 10.00–10.30, 12.30–14.30. Public Holidays: 05.30–06.00, 10.00–10.30, 12.30–14.30.

N. in Cantonese: 00.15, 05.30, 10.00 and BBC relay at 12.30. – N. in Kuoyu: 00.25, 05.40, 10.10 and BBC relay at 12.00. – N. in Swatow: 00.35, 05.50, 10.20.

ANNOUNCEMENTS: English: "This is Radio Hong Kong". – Cantonese: "Nichi Hai Heung Gong Kwong Bor Deen Toy".

VERIFICATION by QSL-card.

INDIA

ALL INDIA RADIO (Govt.)

ADDRESS: Directorate Gen., All India Radio, Broadcasting House, Parliament Street, New Delhi. Cable: "Airgeneral".
LEADING PERSONALITIES: Dir. Gen.: M. Lal I. C. S. Dir. Tec.: A. C. Ramchandani. Deputy Dir. Gen.: A. K. Sen & O. V. Ramadarai. Dir. Progr.: B. S. Mardhekar. Dir. Progr. Planning: Uma Shanker. Dir. News Services: A. N. Bhanot. Dir. External Services: Miss M. Masani. Supervisor, Western Services: Dr. Narayana Menon. Editor Indian Listener: R. S. Sharma.

STATIONS:

Medium Waves:

	kc/s	m	kW			kc/s	m	kW	
North Regional					**West Regional**				
Delhi	890	337.1	100	A	Bombay	1230	243.9	10	A
Delhi	1070	280.4	100	B	Bombay	550	545.5	50	B
Lucknow	1020	294.1	5		Nagpur	590	508.5	1	
Allahabad	760	394.7	1		Ahmedabad	850	352.9	50	
Patna	1130	265.5	5		Dharwar	740	405.4	1	
Jullundur	1330	225.6	50		Hyderabad	730	411.0	5	
Amritsar	1300	230.8	0.05		Poona	800	375.0	1	
South Regional					**East Regional**				
Madras	1420	211.3	10	A	Calcutta	810	370.0	10	A
Madras	1110	270.3	10	B	Calcutta	670	447.8	10	B
Tiruchi	770	389.6	5		Calcutta	1000	300.0	10	B
Vijayawada	840	357.1	1		Cuttack	1350	222.2	1	
Trivandrum	660	454.5	5		Gauhati	780	384.6	1	
Kozhikode	580	517.2	1						
Mysore	970	309.3	1						

Short Waves: Delhi VUD 5/7.5/10/20/100 kW

kc/s	m	kc/s	m	kc/s	m	kc/s	m
3245	92.51	6145	48.82	9565	31.36	11920	25.17
3250	92.31	6150	48.78	9575	31.33	11940	25.13
3295	91.05	6190	48.47	9590	31.28	11950	25.10
3365	89.15	6220	48.23	9615	31.20	11960	25.08
3435	87.34	7065	42.46	9620	31.19	11965	25.07
3495	85.84	7115	42.16	9630	31.15	11970	25.06
3905	76.82	7120	42.13	9655	31.07	15085	19.89
3925	76.45	7125	42.11	9660	31.06	15130	19.83
3935	76.24	7135	42.05	9670	31.02	15150	19.80
3945	76.05	7140	42.02	9680	30.99	15160	19.79
3950	75.95	7150	41.96	9705	30.91	15170	19.78
3970	75.57	7155	41.93	9710	30.90	15190	19.75
3990	75.19	7165	41.87	9720	30.86	15210	19.72
4760	63.03	7170	41.84	9740	30.80	15235	19.69
4860	61.73	7180	41.78	9750	30.77	15240	19.69
4870	61.60	7190	41.72	9755	30.75	15265	19.67
4880	61.48	7205	41.64	9765	30.72	15290	19.62
4930	60.85	7210	41.61	11620	25.82	15320	19.58
4940	60.73	7220	41.55	11710	25.62	15325	19.58
4960	60.48	7225	41.52	11760	25.51	15350	19.54
5960	50.34	7230	41.49	11780	25.47	15380	19.51
5970	50.25	7240	41.44	11790	25.45	17705	16.94
5980	50.17	7250	41.38	11810	25.40	17740	16.91
5990	50.08	7255	41.35	11820	25.38	17760	16.89
6010	49.92	7260	41.32	11830	25.36	17780	16.87
6040	49.67	7275	41.24	11835	25.35	17830	16.83
6060	49.50	7285	41.18	11850	25.32	17840	16.82
6065	49.46	7290	41.15	11870	25.27	17850	16.81
6075	49.38	9530	31.48	11890	25.23	21510	13.94
6080	49.34	9550	31.41	11895	25.22	21660	13.85
6110	49.10	9560	31.38	11915	25.18	21700	13.82
6130	48.94						

Madras: VUM 0.25/10 kW
4920 60.98 – 6085 49.30 – 7260 41.32 – 9590 31.28

Mysore:
4800 62.50 – 6065 49.46

Bombay: VUB 0.25/10 kW
3945 76.05 – 4840 61.98 – 6150 48.78 – 7240 41.44 – 9550 31.41

Calcutta: VUC 0.25/10 kW.
3305 90.77 – 4880 61.48 – 6010 49.92 – 7210 41.61 – 9530 31.48

HOME SERVICES

NORTH REGIONAL SERVICE

Delhi A	Nov./March m.b.	March/May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
01.00–03.30 (W)	337, 60 or 89	337, 60	337, 60	337, 76, 60
01.00–08.20 (Sun.)	337	337	337	337
01.00–03.15 (Sun.)	60 or 89	60	60	76
03.30–05.30 (Sun.)	49	49	49	49
05.45–08.00 (Sun.)	41	41	41	41
07.00–08.20 (W)	337	337	337	337
07.00–08.00 (W)	41	41	41	41
08.10–08.20 (D)	19	19	19	19
12.00–17.30 (D)	337	337	337	337
12.00–13.00 (D)	60	49	41	41
14.30–17.30 (D)	89	89	89	89
(15.00–15.30)	on additional wavelengths.			
Delhi B				
01.00–03.30 (W)	280	280	280	280
01.00–05.15 (Sun.)	280	280	280	280
07.30–09.00 (D)	280	280	280	280
08.00–09.00 (D)	41	41	41	41
08.00–08.10 (D)	19	19	19	19
12.00–17.30 (D)	280	280	280	280
13.15–14.30 (D)	89	89	89	89
13.15–14.15 (D)	61	49	41	76
15.00–15.30, 16.30–17.30	on additional wavelengths.			

Lucknow and Allahabad: 01.00–03.30(Sun. 05.30), 07.00–08.30, 12.00–17.00.

Patna: 01.00–03.30(Sun. 04.30), 07.00–08.30, 17.30–22.30.
Jullundur and Amritsar: 01.30–03.30(Sun. 05.00), 12.30–16.30.

SOUTH REGIONAL SERVICE:

Madras A	Nov./Mar. m.b.	Mar./May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
01.25–02.45 (W.)	211–49	211–49	211–49	211–49
01.25–03.30 (Sun.)	211–49	211–49	211–49	211–49
07.00–09.15 (W.)	211–41	211–31	211–41	211–41
07.30–09.30 (Sat.)	211–41	211–31	211–41	211–41
07.30–08.40 (Sun.)	211–41	211–31	211–41	211–41
09.00–11.30 (Sun.)	211–31	211–31	211 31	211–31
10.30–11.30 (exc. Sat.)	211–31	211–31	211–31	211–31
12.00–17.00 (D.)	211–49	211–49	211–49	211–49
Madras B				
01.25–02.45 (W.)	270–60	270–60	270–60	270–60
01.25–03.30 (Sun.)	270–60	270–60	270–60	270–60
06.30–09.15 (W.)	270–41	270–41	270–49	270–49
07.30–08.30 (Sun.)	270–41	270–41	270–49	270–49
07.30–09.30 (Sat.)	270–41	270–41	270–49	270–49
08.50–11.30 (Sun.)	270–41	270–41	270–41	270–41
10.30–11.30 (W.)	270–41	270–41	270–41	270–41
12.00–17.00 (Sat.17.30)	270–60	270–60	270–60	270–60

Tiruchi: 01.30–03.00, 07.00(Sat. 07.30)–09.15 (Sun. 06.30–09.30), 10.30–11.00 (Mo.–Fri.), 12.00–16.30(Sat. 17.30).
Vijayawada: 01.25–02.45, 07.00–09.15 (Sat., Sun. 07.30–08.30), 10.30–11.00, 12.00(Sun. 11.30)–16.30(Sat. 17.30).
Trivandrum and Kozhikode: 01.45–03.00(Sat., Sun. 03.30), 12.00–16.30 (Sat. 17.30). – **Trivandrum only:** Sun. 06.00–08.00. W.: 10.00–11.00.
Mysore: 01.30–02.45, 12.00–16.30(Sat. 17.30) on 309 and 62.50 m – 08.00–09.00 on 309 and 49.46 m.

WEST REGIONAL SERVICE:

Bombay A	Nov./Mar. m.b.	Mar./May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
01.30–03.30 (D.)	244–49	244–49	244–49	244–61
07.15–09.00 (W.)	244–31	244–31	244–31	244–41
05.30–09.00 (Sun.)	244–31	244–31	244–31	244–41
10.30–10.50, 11.00–11.30 (Mo.–Fri.)	244–31	244–31	244–31	244–41
12.00–17.30 (D.)	244	244	244	244
12.00–14.00 (D.)	61	31	31	41
14.15–17.30 (D.)	61	49	49	76
Bombay B				
01.30–03.30 (D.)	545–61	545–61	545–61	545–49
07.15–09.00 (W.)	545–41	545–41	545–41	545–31
05.30–09.00 (Sun.)	545–41	545–41	545–41	545–31
10.30–10.50, 11.10–11.30 (Mo.–Fri.)	545–41	545–41	545–41	545–31
12.00–17.30 (D.)	545	545	545	545
12.00–14.30 (D.)	41	41	41	31
14.45–17.30 (D.)	61	61	61	61

Nagpur: 01.30–03.30 (Sun. 01.30–08.30), 06.30(Sat. 07.00)–08.30, 12.30–16.30(Sat. 17.30).
Ahmedabad: 01.30–03.30 (Sun. 01.30–06.30), 07.00–08.30, 11.00–11.30 (W.), 12.30–16.30(Sat. 17.30).
Dharwar: 01.30–03.30, 12.30–16.30(Sat. 17.30).
Hyderabad: 01.25–03.30(Sun. 05.00), 07.00–09.00(Sat., Sun. 08.30), 12.00–17.00(Sat. 17.30).
Poona: 01.30–03.30(Sun. 05.00), 12.30(Sat. 12.00)–17.00(Sat. 17.30).

EAST REGIONAL SERVICE:

Calcutta A	Nov./Mar. m.b.	Mar./May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
01.00–03.00 (W.)	370–61	370–49	370–61	370–49
01.00–05.00 (Sun.)	370–61	370–49	370–61	370–49
07.00–09.00 (W.)	370–41	370–41	370–41	370–41
06.45–10.00 (Sun.)	370–41	370–41	370–41	370–41
11.30–17.30 (D.)	370	370	370	370
11.30–12.45 (D.)	49	41	41	41
13.00–17.30 (D.)	90	61	61	90
Calcutta B				
01.00–03.00 (W.)	448-300-49	448-300-41	448-300-49	448-300-41
01.00–05.00 (Sun.)	448-300-49	448-300-41	448-300-49	448-300-41
07.00–09.00 (W.)	448-300-31	448-300-31	448-300-31	448-300-31

India

07.00–10.00 (Sun.)	448-300-31	448-300-31	448-300-31	448-300-31
11.30–17.30 (D.)	448-300	448-300	448-300	448-300
11.30–13.00 (D.)	41	31	31	31
13.15–17.30 (D.)	61	49	49	61

Cuttack: 01.15–03.00(Sun. 04.30), 12.30–16.30(Sat. 17.30).
Gauhati: 01.15–03.00(Sun. 03.30), 11.45–16.00(Sat. 17.30).
News in Assamese:
01.30–01.45 780 kc/s*) 07.30–07.40 **) 13.30–13.45 780 kc/s*)
News in Bengali:
02.00–02.15 Calcutta A+B*) 07.20–07.30 Calcutta A+B*) 14.00–14.15 Calcutta A+B*)
News in Dogri: 03.10–03.40 **) 13.00–13.15 **)
News in English:
02.30–02.45 Delhi B, 1020, 760, 1130, 1330, 1300 kc/s; Bombay A, 590, 850, 740, 730, 800 kc/s; Madras A+B, 770, 840, 660, 580 kc/s, Mysore; Calcutta A+B, 1350, 780 kc/s*)
08.00–08.10 Delhi B; Bombay A; Madras B; Calcutta A*)
12.30–12.35 Delhi B; Bombay B; Madras A+B; Calcutta A*)
15.30–15.45 Delhi B, 1020, 760, 1130, 1330, 1300 kc/s; Bombay A, 590, 850, 740, 730, 800 kc/s; Madras A+B, 770, 840, 660, 580 kc/s, Mysore; Calcutta A+B, 1350, 780 kc/s*)
News in Gorkhali: 14.00–14.15 **)
News in Gujarati: 03.15 Bombay A, 850 kc/s*) 07.30–07.40 Bombay A, 850 kc/s*) 14.30–14.45 Bombay A, 850 kc/s*)
News in Hindi:
02.45–03.00 Delhi A, 1020, 760, 1130, 1330, 1300 kc/s; Bombay B, 590, 730 kc/s; Calcutta A, 1350, 780 kc/s*)
08.10–08.20 Delhi A, 1020, 760, 1130 kc/s; Bombay B, 590 kc/s; Madras A, 770, 840 kc/s, Mysore*)
12.35–12.40 Delhi A, 1020, 760, 1130, 1330, 1300 kc/s; Bombay B, 590, 800 kc/s; 580, 660 kc/s*)
14.45–15.00 Delhi A, 1020, 760, 1130, 1330, 1300 kc/s; Bombay B, 590, 850, 740 kc/s; Calcutta B, 1350 kc/s*)
News in Kannada:
02.15–02.30 Bombay B, 740 kc/s, Mysore*)
14.15–14.30 Bombay B, 740, 730 kc/s, Mysore*)
News in Malayalam:
02.00–02.15 660, 580 kc/s*) 14.00–14.15 660, 580 kc/s*)
News in Marathi:
03.00–03.15 Bombay B, 590, 800 kc/s*)
07.20–07.30 Bombay B, 590, 730 kc/s*)
14.30–14.45 Bombay B, 590, 800 kc/s*)
News in Oriya:
01.45–02.00 1350 kc/s*) 07.40–07.50 Calcutta A*) 13.45–14.00 1350 kc/s*)
News in Punjabi:
03.00–03.15 Delhi B, 1330, 1300 kc/s
14.15–14.30 Delhi B, 1330, 1300 kc/s
News in Tamil:
01.45–02.00 Madras A, 770 kc/s*) 08.30–08.40 Madras A, 770 kc/s*) 13.45–14.00 Madras A, 770 kc/s*)
News in Telugu:
01.30–01.45 Madras B, 840 kc/s; 730 kc/s*)
08.20–08.30 Madras B, 840 kc/s; 730 kc/s*)
13.30–13.45 Madras B, 840 kc/s; 730 kc/s*)
News in Urdu:
03.20–03.30**
15.45–16.00 730 kc/s*)
*) and on additional short waves from Delhi.
**) on short waves from Delhi only.

HOME NEWS broadcast on additional short waves from Delhi.

	Nov./Mar. m.b.	Mar./May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
Assamese				
01.30–01.45	49–41–31	49–41–31	41–31–25	41–31–25
07.30–07.40	25–19	25–19	25–19	25–19
13.30–13.45	63–49	41–31	31–25	49–41
Bengali				
02.00–02.15	49–41–31	49–41–31	41–31–25	41–31–25
07.20–07.30	25–19	25–19	25–19	25–19
14.00–14.15	63–49	41–31	31–25	49–41
Dogri				
03.10–03.20	60–49	60–49	60–49	49–41
13.00–13.15	61–49	49–41–31	49–41	76–49–41
English				
02.30–02.45	63–49–41–31–25	76–63–49–41–31–25	63–49–41–31–25	75–49–41–31–25
08.00–08.10	41–25–19–16	41–25–19–16	41–31–25–19–16	41–31–25–19–16
12.30–12.35	63–49–41–25	41–31–25–19	41–31–25–19	49–31–25–19
15.30–15.45	91–75–63–49–41–31	75–60–49–41–31	75–49–41–31	92–75–49–41–31
Gorkhali				
14.00–14.15	89–61	89–49	89–41	89–76
Gujarati				
03.15–03.30	49–41–31	49–41–31	49–41–31	49–41–31
07.30–07.40	41–25	31–25	31–25	31–25
14.30–14.45	75–63–49	60–49–41	49–41–31	75–49
Hindi				
02.45–03.00	60–49–41–31–25	76–63–60–49–41–31–25	63–60–49–41–31–25	60–49–41–31–25
08.10–08.20	49–41–25–19–16	41–31–25–19–16	41–31–25–19–16	41–31–25–19–16
12.35–12.40	63–60–49–41–25	49–41–31–25–19	41–31–25–19	49–41–31–25–19
14.45–15.00	91–89–75–63–49–41	89–60–49–41–31	89–49–41–31–25	89–75–49–41–31
Kannada				
02.45–02.30	49–41–31	49–41–31	41–31–25	41–31–25
14.15–14.30	63–49–41	49–41–31	41–31–25	76–49–41–31
Malayalam				
02.00–02.15	49–41–31	41–31	41–31–25	41–31–25
14.00–14.15	41–31	31–25	31–25	31–25
Marathi				
03.00–03.15	49–41–31	49–41–31	49–41–31	49–41–31
07.20–07.30	41–25	31–25	31–25	31–25
14.30–14.45	91–49–41	49–41–31	41–31–25	76–49–31
Oriya				
01.45–02.00	49–41–31	49–41–31	41–31–25	41–31–25
07.40–07.50	25–19	25–19	25–19	25–19
13.45–14.00	63–49	41–31	31–25	49–41
Tamil				
01.45–02.00	49–41–31	49–41–31	41–31–25	41–31–25
08.30–08.40	25–19–16	25–19–16	25–19–16	25–19–16
13.45–14.00	41–31	31–25	31–25	31–25
Telugu				
01.30–01.45	49–41–31	49–41–31	41–31–25	41–31–25
08.20–08.30	25–19–16	25–19–16	25–19–16	25–19–16
13.30–13.45	41–31	31–25	31–25	31–25
Urdu				
03.20–03.30	63–49–41	60–49	60–49	49–41
15.45–16.00	91–63–49–41–31	75–60–49–41	75–60–49–41–31	92–75–49–41–31

EXTERNAL SERVICES (from Delhi)

GENERAL SERVICE

	Nov./March m.b.	March/May m.b.	May/Aug. m.b.	Aug./Nov. m.b.
Asia Service for Indians in E.- and S.E. Asia				
00.30–01.00	41–31	31–25	31–25	31–25
00.30 N. in **English.** 00.40 N. in Tamil. 00.50 N. in Hindi.				
01.30–02.45	25–19	25–19	25–19	25–19
Recorded Indian Music.				
10.00–11.45	19–16	19–13	16–13	16–13
10.00 N. in Hindi. 10.10 Progr. in Hindi. 10.45 N. in Tamil. 10.55 Progr. in Tamil.				
Africa Service (for Indians in E.-, Centr.- and S. Africa and Mauritius).				
04.00–05.10	25–19	25–19	25–19	25–19
04.00 N. in Gujerati. 04.10 N. in **English.** 04.20 Progr. in Hindi. 05.00 N. in Hindi.				
15.00–15.30				19–16
15.45–17.15	25–19	25–19	31–25	25–19
15.45 N. in **English.** 15.55 N. in Hindi. 16.05 Progr. in Hindi. 16.30 N. in Gujarati. 16.40 Progr. in Gujarati.				
West Indies Service (for Indians in the West Indies).				
23.30–00.30	49–41–31–25	49–41–31–25	49–41–31–25	49–41–31–25
Composite Progr. in Hindi and English.				

EASTERN SERVICE

Burmese Service				
00.45–00.55	49–41	41–31	41–31	41–31
11.15–12.00	25–19	16–19	16–19	16–19
11.25 Progr. in Burmese. 11.15 N. in Burmese.				
Chinese Service				
12.00–13.15	41–31	31–25	25–19	41–31
12.00 News in Cantonese. 12.15 Progr. in English (Sat., Sun. only). 12.30 N. in Kuoyu. 12.40 Progr. in Kuoyu.				
Indonesian Service				
22.45–23.00	49–41	49–41	49–41	49–41
12.00–12.30	25–19	19–16	19–16	19–16
12.00 N. in Indonesian. 12.10 Progr. in Indonesian.				
English Service (for East- and South East Asia).				
13.30–14.45	31–25	31–25	25–19	25–19
13.35 N. in **English.** 13.45 Progr. in English.				

WESTERN SERVICE

Pakistan Service				
03.00–03.30	60–49	60–49	60–49	49–41

03.00 N. in Kashmiri. 03.10 N. in Dogri.
12.45–13.15 75–63 49–41 49–41 49–41
Programme in Kashmiri.
13.00–13.15 61–49 49–41–31 49–41 76–49–41
N. in Dogri.
13.15–14.15 89–61 89–49 89–41 89–76
Pushtu Service (for Afghanistan and adjacent areas).
03.30–03.45 60–49 60–49 49–41 49–41
N. in Pushtu.
13.45–14.30 75 49 41 75
13.50 N. in Pushtu. 14.00 Progr. Pushtu.
Afghan-Persian Service
05.30–06.30
(Fri. only) 41–31 41–31 41–31 41–31
16.30–17.30 91–63 75–49 75–49 76–49
16.35 N. in Afghan/Persian.
Persian Service
17.30–18.30 75–63–49 75–49–41 41–31 76–49–41
17.45 N. in Persian.
Arabic Service (for Saudi Arabia, Egypt, Lebanon, Syria, N. Africa, Jordan, Sudan, Iraq, Yemen and Persian Gulf).
05.00–05.30 25–19 25–19 25–19 25–19
16.45–17.10 60–49 49–41 31–25 49–41
(exc. Sat.) N. in Arabic (dictation).
17.30–18.30 91–60–49 60–49–41 41–31 49–41
17.40 N. in Arabic.
European Service
07.30–08.30 19–25 19–16 19–16 19–16
07.35 N. in English. 07.45 Progr. in English.
French Service (for Western Europe, North Africa and the Levant).
19.45–20.30 75–47–42 75–49–41 49–41–31 76–49–41
19.50 N. in French. 20.00 Progr. in French.
Swahili Service (for East Africa).
15.55–16.30 19–16 19–16 19–16 25–19
15.45 N. in Swahili.

ANNOUNCEMENT: "This is all India Radio".

INTERVAL-SIGNAL: All India Radio's signature tune is a melody of eight second's duration repeated with intervals of 10 seconds in between. The instruments used are violin, viola, cello and tampura.

VERIFICATION by QSL-card. Return postage not necessary.

INDOCHINA

VIETNAM
RADIODIFFUSION NATIONALE DU VIETNAM (Govt.)

ADDRESS: Directeur de la Radiodiffusion Nationale du Viet-Nam 3, rue Richaud, Saigon.

LEADING PERSONALITIES: Dir. Gen.: M. Nguyen-Huu-Hay. Man. R. Dalat: M. Ung-Hoi. Man. R. Hué: M. Ton-That-Chanh.

HOME SERVICE:

NATIONAL PROGR.: Radio Saigon:

kc/s	m	kW	kc/s	m	kW	kc/s	m	kW
838	358	1	6165	48.66	1	9620	31.19	12
1090	275	1	7290	41.15	12			

VIETNAMESE:
On 1090, 6165, 9620 kc/s: 22.45–24.00, 04.00–05.00, 10.00–14.00. – N.: 23.05–23.25, 23.50–24.00, 04.00–04.10, 04.50–05.00, 10.00–10.30, 11.00–11.15, 12.00–12.10. – **Religious Programmes:** For Catholics Sun. 03.30–04.00. – For Buddhists Wed. 11.35–11.55. – **National Music:** 12.45–13.15. – **English Lesson:** Sat. 09.00–09.15. – **Letter-Box:** Sun. 01.00–01.15. – **Time Sign.:** 22.45, 12.00.
On 838, 7290 kc/s: 03.30–05.30, 10.30–12.30 (Voice of the Vietnamese Army). Sun. 10.00–10.25 ("La Voix de l'Espérance" – Indochina Mission of Seventhday Adventists).

FRENCH:
On 1090, 6165/9620 kc/s: 00.00–00.30, 05.00–05.30. – N.: 00.00–00.15, 05.00–05.15.
On 838, 7290 kc/s: 13.00–15.00. – N.: 13.30–13.40, 14.10–14.15.

CHINESE:
On 1090/6165/9620 kc/s: 03.30–04.00, 09.00–10.00. – N.: 03.30–03.45, 09.45–10.00.

ENGLISH:
On 1090/6165/9620 kc/s: 14.00–14.30. – N.: 14.00–14.15.

Indochina: The English announcer from Radio France Asie. (right). *The Cyprus Broadcasting Service, Cyprus:* Katie Michaelidou, popular announcer and contributor in the Greek programme.

REGIONAL PROGRAMMES:
R. Hue in Vietnamese & French:
7205 kc/s 41.63 m 1 kW 23.00–23.45, 04.00–05.15, 10.00–13.15.
R. Dalat in Vietnamese & Mois: 10.00–13.00.
1440 kc/s 208.0 m 1 kW – 7265 kc/s 41.29 m 1 kW.

FOREIGN SERVICE:
On 9620 kc/s (direction North/South): See Home Service.
On 7290 kc/s (direction North-East/South-West): See Home Service (exc. 12.30–13.00 **Relay of Voice of America**).

ANNOUNCEMENTS: **Vietnamese:** "Day là Dái Phát-Thanh SAIGON – Tieng noi nuuc Viet-Nam". – **French:** "Ici la Voix du Viet-Nam, diffusée du Poste National de Saigon". – **English:** "This is the Voice of Viet-Nam, bringing you our nightly English-language broadcast".
INTERVAL-SIGNAL: Home Service:

VERIFICATION by QSL-card.

RADIO FRANCE ASIE
"THE VOICE OF FRANCE IN THE FAR-EAST"

(French Broadcasting Service in the Far East).

ADDRESS: 86 rue Marechal de Lattre de Tassigny, Post Office Box 412, Saigon. Cable: "Radiasie".

LEADING PERSONALITIES: Dir. Gen.: Jean Varnoux. Chief Editor: René Branellec. Controller Entertainment: Robert Barras. Dir. Tec.: Georges Baqué. Dir. English Progr.: Richard Neville.

STATIONS: **Medium Waves** 1 kW:
1030 kc/s 291 m – 1360 kc/s 220 m
Short Waves 25 kW (2), 5 kW (1):

4825 kc/s	62.18 m	–	7230 kc/s	41.49 m	–	11790 kc/s	25.45 m	
6116 –	49.06 –	–	9750 –	30.77 –	–	11830 –	25.35 –	
			9775 –	30.68 –	–	15430 –	19.44 –	

HOME SERVICE to Indochina, S.E.Asia:
English: 23.30–00.00 7230 kc/s. N. 23.30–23.45

Chinese:
00.00–00.30 7230, 1360 kc/s in Mandarin N. 00.00–00.15
03.00–04.00 7230, 1360 – in Cantonese – N. 03.45–04.00
08.30–10.00 7230, 1360 – in – – N. 08.30–08.45 (Mandarin), 09.45–10.00 (Cantonese)
13.00–13.55 11830, 7230 kc/s in Mandarin – N. 13.00–13.15 (spec. bulletin for China)

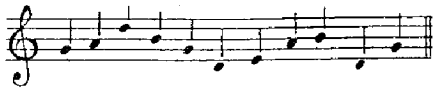
French:
22.45–01.30 6116, 4825 (to 00.30), 1030 kc/s – N. 23.15–23.45 00.15–00.30
04.00–06.00 9750, 6116, 1030 kc/s – N. 04.45–05.00
11.00–15.30 9750, 6116, 1030 kc/s – N. 11.00–11.15
11.00–15.30 1360 kc/s (2nd progr.) – N. 12.15–12.45 15.15–15.30

Vietnamese:
22.45–24.00 7230 kc/s (to 23.30), 1360 kc/s – N. 23.15–24.00
04.00–05.15 7230, 1360 kc/s – N. 05.00–05.15
10.00–13.00 7230, 1360 kc/s – N. 12.30–13.00
10.00–11.00 6116 kc/s –

FOREIGN SERVICE: I=India. A.-NZ.=Australia and New Zealand. E=Europe. SEA=South East Asia.
English:
01.30–01.45 9775 kc/s to I. SEA N. 01.30–01.45
07.45–10.15 15430 kc/s to A. NZ. N. 10.00–10.15

Radio France Asie Cyprus Katie Michaelidou Indochina Vietnam

14.00–16.00 9775 kc/s to I., SEA. N. 14.00–14.15
16.00–16.30 9750, 11790 kc/s to E. N. 16.00–16.15
French:
01.45–02.00 9775 kc/s to I. N. 01.45–02.00
10.45–11.00 15430 kc/s to A. NZ. N. 10.45–11.00
15.35–16.00 9750 or 11790 kc/s to E. N. 15.35–16.00
16.00–16.15 9775 kc/s to I. N. 16.00–16.15
ANNOUNCEMENTS: "Ici Radio France-Asie, la Voix de la France en Extreme Orient" and "This is Radio France-Asie, the voice of France in the Far East".
INTERVAL-SIGNAL:



VERIFICATION by QSL-card.

CAMBODIA

RADIODIFFUSION NATIONALE KHMÈRE

Phnom-Penh 6090 kc/s 49.26 m 1 kW (to be increased to 10 kW)
Battambang 6035 – 49.71 – 0.05 –
Siemrap 4907 – 61.12 – 0.2 –
In Cambodian (Khmère): 23.00–24.00, (news in French 23.15–23.30) 04.00–06.00 (news in French 04.45–05.00), 10.00–13.15.

LAOS

RADIO LAO, VIENTIANE 7215 kc/s 41.59 m 1 kW.
DAILY PROGRAMMES: 01.00–02.00, 12.00–14.30. English: 01.05–01.15. Vietnamese: 01.15–01.30. Local news: 12.40–13.00. World news: 13.00–13.20. French: 14.00–14.15. Thai: 14.15–14.30.
ANNOUNCEMENT: "This is R. Lao calling from Vientiane, Laos".
VERIFICATION by letter.

INDONESIA

RADIO REPUBLIK INDONESIA (Government).

ADDRESS: Head Office: Djawatan Radio Republik Indonesia, Medan Merdeka Selatan 17, Djakarta. Cable: RIVOX.

Djakarta: 4 and 5 Medan Merdeka Barat, Bandung: Tjiumbuluit, Semarang: 130 Djalan Pandanaran, Surakarta: 1 Djalan Marconi, Surabaya: 34 Djalan Kajoon, Jogjakarta: 6 and 8 Setjodiningratan, Djember: 1 Djalan Jrigasi, Madiun: 30a Djalan Raya, Denpasar: Melati, Kotaradja: Djalan Pentjul, Medan: 28 Djalan Serdang, Padang: 14 Djalan Sukarno, Palembang: 2 Djalan Merdeka, Bukittinggi: 22 Djalan Rumah Sakit, Manado: E. 9 Rumah Buruh Sario, Makassar: 2 Djalan Radjawali, Bandjarmasin: 6 Djalan Sudimoro, Pontianak: 7 Djalan Prawira, Ternate: c/o Studio Ternate, Samarinda: S.34 and 35 Djalan Pemandian, Tjirebon: 129 Djalan Kedjaksaan, Ambon: Djalan Batugadjah.

LEADING PERSONALITIES: Head Office: Dir. Gen.: R. Maladi. Dir. Progr.: R. M. Sumarmadi. Dir. Adm.: R. S. Hardjolukito. Dir. Tec.: G. de Wilde. Dir. News: R. Maladi. – Stations: Directors: Djakarta: Moh. J. Ronodipuro. Bandung: L. S. Tunaro. Jogjakarta: R. C. S. Hadisukanto. Surakarta: O. Soemowidjojo. Surabaya: R. Harto. Semarang: S. Sumobroto. Madiun: Mardjuki. Djember: Sumitro. Tjirebon: Suparto. Palembang: Myrin Kusumo. Padang: Kartoyo. Bukittingii: A. Nurin. Medan: M. Arief. Kotaradja: A. Azis. Pontianak: S. Karsomahardjo. Bandjarmasin: Djaswadi. Makassar: R. M. S. Adiseputro. Menado: S. A. Muri. Ambon: W. Ch. Risakotta. Denpasar: B. K. Naftali. Studio Ternate: Koesno Alibari. Samarinda: Soetarjo.

HOME SERVICES

Call	kc/s	m	kW		Call	kc/s	m	kW	
Djakarta (Java Central Station)									
N=National Pr., H=Home Pr., O=Overseas Sce.									
YDB	2240	133.90	1	N	YDJ	5060	59.29	7.5	
YDB	2460	121.95	1	N	YDJ2	7100	42.25	1	(20)
YDD	3277	91.54	1	H+O	**Madiun** (E. Java; relay)				
YDB4	3935	76.24	7.5	N	YDG6	3286	91.29	0.15	
YDF	6045	49.63	100	N	**Semarang** (C. Java)				
YDB3	7270	41.26	7.5	H+O	YDH	2490	120.48	0.15	(1)
YDE	11770	25.49	7.5	N	YDH2	3259	92.05	1	(5)
Bandung (W. Java)					**Surabaya** (E. Java)				
YDA2	2420	123.96	0.25		YDI3	2370	126.50	0.25	
YDA	3205	93.66	3		YDI	3355	89.41	1	
YDA3	4945	60.61	0.25		YDI2	3980	75.37	5	(10)
Djember (E. Java; relay)					**Surakarta** (C. Java)				
YDI6	2330	128.74	0.3		YDG2	2440	122.95	0.3	(1)
Jogjakarta (C. Java)					YDG	3305	90.77	1	(10)
YDJ3	2350	127.65	0.1		YDG3	7250	41.36	3	
Tjirebon (W. Java; relay)					**Bandjarmasin** (Kalimantan)				
YDA4	2390	125.50	0.3		YDO	3250	92.31	1*)	(10)
Padang (S. Sumatra)					YDO2	5970	50.25	1*)	
YDL2	2480	120.96	0.3	(1)	**Pontianak** (Kalimantan)				
YDL	3968	75.75	1*)	(10)	YDW	3345	89.65	0.15	(5)
YDL3	6170	48.62	1*		**Samarinda** (Kalimantan)				
Palembang (S. Sumatra)						3295	91.00	0.15	
YDK2	2430	123.40	1		**Makassar** (Sulawesi)				
YDK	4855	61.79	10		YDQ	3325	90.22	0.25	
Bukittingii (N. Sumatra)					YDQ3	7295	41.12	1	
YDM	3232	92.82	0.3	(5)	YDQ2	9550	31.41	3	(20)
YDM2	5030	59.64	1		**Manado** (Sulawesi)				
Kotaradja (N. Sumatra)					YDS	3214	93.34	1*)	(5)
YDN	2390	125.50	0.1		YDS2	5990	50.08	1*)	
YDN2	4985	60.18	1		**Denpasar** (Bali)				
Medan (N. Sumatra)					YDU2	3241	92.56	0.15	
YDP2	3395	88.36	0.25	(1)	YDU	4840	61.98	1	(10)
YDP	4930	60.85	7.5		**Ambon** (Maluku)				
YDP3	7240	41.44	1	(20)	YDR	4865	61.66	1	(10)
					Ternate (Maluku)				
					YDR2	2460	121.95	0.15	

*) When two frequencies on the same transmitter are mentioned, the shortest frequencies are for use in the evening and the other frequencies at daylight. Figures in brackets indicate the power to which the frequency will be increased, approx. at the beginning of 1955.

DJAKARTA

National Programme on 2240, 2460, 6045, 11770 (only W. 04.30–07.15), 3935 kc/s (only D. 09.30–15.30). W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

Home Programme on 3277, 7270 kc/s.

School and educational broadcasts and broadcasts for foreigners. W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

BANDUNG: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

DJEMBER, JOGJAKARTA, MADIUN, SEMARANG, SURABAYA, SURAKARTA, TJIREBON: As Bandung.

BUKITTINGGI, KOTARADJA, MEDAN: W.: 23.30–01.45, 05.30–08.15, 10.30–16.30. Sun.: 00.30–08.15, 10.30–16.30.

PADANG, PALEMBANG: W.: 23.00–01.15, 05.00–07.45, 10.00–16.00. Sun.: 00.00–07.45, 10.00–16.00.

BANDJARMASIN, PONTIANAK, SAMARINDA: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

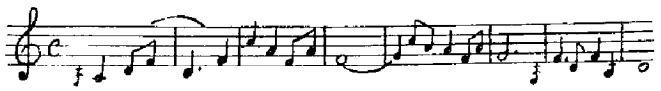
MAKASSAR, MANADO: W.: 22.00–00.15, 04.00–06.45, 09.00–15.00. Sun.: 23.00–06.45, 09.00–15.00.

DENPASAR: W.: 22.30–00.45, 04.30–07.15, 09.30–15.30. Sun.: 23.30–07.15, 09.30–15.30.

AMBON, TERNATE: W.: 21.30–23.45, 03.30–06.15, 08.30–14.30. Sun.: 22.30–06.15, 08.30–14.30.

ANNOUNCEMENT: National Programme: Indonesian: "Inilah Radio Republik Indonesia di..." (name of the station).

INTERVAL-SIGNAL: National Programme:



played on hammond organ by Sudarnoto.

VERIFICATION by QSL-card or by letter. Return postage not necessary.

FOREIGN SERVICE FROM DJAKARTA

	kc/s	m	kW			kc/s	m	kW	
YDD	3277	91.54	1	1)	YDF2	11770	25.49	100	6)
YDB2	4910	61.10	0.3	1)	YDE	11770	25.49	100	2)
YDF5	7220	41.55	100	2)	YDF3	11795	25.43	100	2)
YDB3	7270	41.26	7.5	3)	YDC	15150	19.80	100	2)
YDF6	9710	30.90	50	4)	YDF4	17810	16.84	100	2)
YDF8	9865	30.40	50	5)					

Target areas: 1) Indonesia (Foreigners), 2) Spare frequencies, 3) Laos, Cambodia, Vietnam, 4) Java, W. Coast USA, E. Asia, Japan, S. E. Asia, 5) Australia, N. Zealand, India, 6) M. East, Europe, C. Amerika.

Arabic	13.00–14.00	4)	4910, 9710 kc/s
	16.15–17.00	6)	9865, 11770
Chinese	12.00–13.00	1) 4)	4910, 9710
English	11.00–12.00	1) 4)	4910, 9710
	14.30–15.30	1) 4)	4910, 9710
	19.00–20.00	5) 6)	9865, 11770
French	15.30–16.30	3)	3277, 7270
	17.00–18.00	6)	9865, 11770
Hindi	15.30–16.00	4)	4910, 9710
Indonesian/Dutch	18.00–19.00	6)	9865, 11770
Indonesian	01.00–02.00	4)	9710, 11770
Urdu	14.00–14.30	4)	4910, 9710

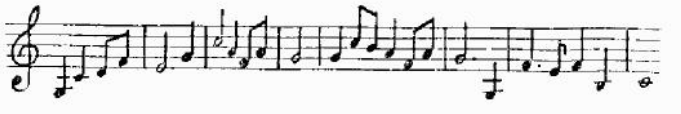
ENGLISH PROGRAMMES:
N.: 11.15, 14.45, 19.15. – **"Indonesia in Word and Music"**: Mo.: 11.38, 15.08, 19.38. – **"Spotlight on Indonesia"**: Tues.: 11.30, 15.00, 19.30. – **"Indonesian Headline"**: Wed.: 11.30, 15.00, 19.30. – **"My country and my People"**: Thurs.: 11.30, 15.00, 19.30. – **"Indonesian Guestbook"**: Fri.: 11.30, 15.00, 19.30. – **"Indonesian Music"**: Sun.: 11.25, 14.55, 19.25. Fri.: 11.02, 14.32, 19.02. Sat.: 11.38, 15.08, 19.38. – **"Turntable Time"**: Tues.: 11.38, 15.08, 19.38 (Request Progr. consisting of Western songs and popular Indonesian tunes). – **"Norwegian Talk"**: Every fourth Tues. of the month at 19.38 (for listeners in Scandinavia).

INDONESIAN/DUTCH PROGRAMMES:
Indonesian: Mo., Wed., Fri., Sun. 18.00–19.00, Tues., Thurs., Sat. 18.00–18.30.

Dutch: Tues., Thurs., Sat. 18.30–19.00.

ANNOUNCEMENTS: English: "This is the Voice of Indonesia broadcasting from Djakarta". **French:** "Ici Djakarta, la voix de l'Indonesie". **Dutch:** "Dit is Radio Republiek Indonesia in Djakarta".

INTERVAL-SIGNAL:



VERIFICATION by QSL-card or by letter. Listeners reports are welcomed. Return postage not necessary.

FUTURE PLANS: 15 new transmitters (3 à 5 kW, 7 à 10 kW, 3 à 20 kW and 2 à 50 kW) will be established in the beginning of 1955; frequencies the same as used by the old transmitters, which are to be replaced.

JAPAN

NIPPON HOSO KYOKAI (Public Corporation – non commercial)

ADDRESS: 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. **Cable:** "Radio NHK", Tokyo.

LEADING PERSONALITIES: Chairman of Boards of Governors: I. Yano. NHK President: T. Furukaki. Vice-President: S. Komatsu. Directors: S. Okabe, Y. Kanagawa, M. Kato. Chief General Affairs Section: Y. Ikeda. Chief Finance Section: S. Tochizawa. Chief Radio Department: Y. Kasuga. Chief News Department: Y. Maeda. Chief Television Department: Y. Yoshikawa. Chief International Broadcasting Department: S. Sakiyama. Chief Radio and TV Research Inst.: S. Nakamura. Chief Technical Department: K. Mizokami. Chief Facility Department: T. Yokoyama. Chief Technical. Lab.: Y. Tanabe. Chief Public Relations Dapertment: K. Sugimoto.

HOME SERVICE

FIRST NETWORK: 20.15–14.30 (Apr.–Oct. 20.00–14.10) in Japanese

	kc/s	kW	Call	Location
*)	590	50	JOAK	**Tokyo**
	620	0.5	JOKG	Kofu
	780	0.5	JONK	Nagano
	1020	0.5	JOSG	Matsumoto
	850	10	JOQK	Nigata
§)	1340	0.1	JOSU	Okayasuwa
*)	670	50	JOBK	**Osaka**
	900	0.5	JOOK	Kyoto
*)	730	10	JOCK	**Nagoya**
	540	0.5	JOCQ	Takayama
	620	0.5	JODG	Hamamatsu
	880	0.5	JOPK	Shizuoka
	840	0.5	JOIP	Oita
	620	0.5	JOMG	Miyazaki
	980	10	JOHG	Kagoshima
*)	890	10	JOHK	**Sendai**
	650	10	JOQG	Morioka
	660	0.3	JOCP	Koriyama
	680	0.5	JOTG	Aomori
	700	0.5	JOJG	Yamogata
	840	0.1	JOFP	Fukushima
§)	920	0.5	JOTQ	Hachinohe
§)	1360	0.05	JOUT	Odate
§)	1360	0.05	JOUS	Yokote
*)	570	10	JOIK	**Sapporo**
	620	0.5	JOCG	Asahikawa
	780	0.5	JOOG	Obihiro
	840	0.1	JOPG	Kushiro
	960	0.5	JOVK	Hakodate
	990	10	JOKP	Kitami
	1320	0.5	JOIU	Muroran
*)	700	0.5	JOZK	Matsuyama
	920	0.5	JOXK	Tokushima
	1150	0.5	JORK	Kochi

*) Central Broadcasting Station. – §) Rebroadcasting stations.
+ 32 low power stations(§) less 0.1 kw.

N.: 21.00, 22.00, 23.00, 24.00, *01.00, *02.00, 03.00, 04.00, *05.00, 06.00, *07.00, 08.00, 10.00, 12.00, 13.00, 14.00 (*exc. Sun.). – **Commentary:** 01.05–01.15, 08.45–09.00(Mo.–Fri.), 12.05–12.15. – **Progr. Preview:** 22.40–22.45 (exc. Sun.) 02.50–02.55, 14.05–14.10. – **Weather-Reports:** 21.10–22.10, 00.05–00.15, 02.55, 03.10, 06.10, 07.05–07.15, 08.10, 10.10, 13.10, 14.10. – **Time Sig.:** Every hour on the hour.

SECOND NETWORK: 21.00–14.30 in Japanese

	kc/s	kW	Call	Location
*)	690	50	JOAB	**Tokyo**
	1030	10	JOQB	Nigata
	1040	0.5	JOKC	Kofu
	1080	0.5	JONB	Nagano
	1440	0.5	JOSC	Matsumoto
*)	830	50	JOBB	**Osaka**
	1500	0.5	JOOB	Kyoto
*)	910	10	JOCB	**Nagoya**
§)	1040	0.5	JOCZ	Takayama
	1040	0.5	JODC	Hamamatsu
	1080	0.5	JOPB	Shizuoka
	1370	10	JOJB	Kanazawa
	1510	0.5	JOFC	Fukui
	1510	0.5	JOIC	Toyama
*)	1050	10	JOFB	**Hiroshima**
	1300	0.5	JOUC	Hofu
	1330	10	JOTB	Matsue
	1380	0.5	JODD	Onomichi
	1500	0.5	JOLC	Tottori
	1520	0.5	JOKB	Okayama
§)	1520	0.5	JOUZ	Hagi
*)	1350	10	JOGB	**Kumamoto**
	870	10	JOLB	Fukuoka
	1040	0.5	JOID	Oita
	1300	0.5	JOMC	Miyazaki
	1380	0.5	JOSB	Kokura
	1410	10	JOHC	Kagoshima
	1440	0.5	JOAC	Nagasaki
	1480	0.5	JOSD	Saga
*)	1090	10	JOHB	Sendai
	770	10	JOQC	Morioka
§)	1300	0.5	JOTZ	Hachinoke
	1300	0.3	JORC	Hirosaki
	1380	0.5	JOJD	Tsuruoka
	1380	0.5	JOJC	Yamagata
	1470	0.5	JOUB	Akita
	1480	0.5	JOCD	Koriyama
	1500	0.1	JOFD	Fukushima
	1520	0.1	JOTC	Aomori
*)	750	10	JOIB	**Sapporo**
	1040	0.5	JOCC	Asahikawa
	1080	0.5	JOOC	Obihiro
	1290	10	JOKD	Kitami
	1380	0.1	JOPC	Kushiro
	1440	0.5	JOVB	Hakodate
	1510	0.5	JOIT	Muroran
*)	1470	0.5	JOZB	Matsuyama
	1430	0.5	JORB	Kochi

+ 20 lower stations(§) less 0.1 kw.

*) Central Broadcasting Station. – §) Rebroadcasting Station.

News: 09.55 (in English), 11.00 (in Japanese).
Religious Programme: Sun. 22.00–22.30.
Japanese Music: Sun. 12.00–13.00.
Language Lessons: English: Mo., Fri.: 21.00–21.15, 21.45–22.00.
French: Mo., Fri. 21.15–21.30. Mo., Wed., Fri. 22.00–22.15.
German: Mo., Fri. 21.30–21.45. Tues., Thurs., Sat. 22.00–22.15.
Chinese: Sat., Sun. 21.30–21.45.
Sport: When sports events are going on: 04.15–09.00 daily.
ANNOUNCEMENTS: Call sign announced in Japanese at the end o each programme.

DOMESTIC RELAYS (on Shortwaves)
Relay First Network: 20.00–10.00 on JKH 7257.5 kc/s.

Japan: (Rigtt) President Tadashi Adachi. The National Association of Broadcasters in Japan. – (Left) Captain Colin C. Hann. O. C. of the Britcom Broadcasting Station.

Japan Tadashi Adachi Colin C. Hann

Japan

Relay Second Network:
07.55–10.00 } on JKI 4910 kc/s
21.00–22.15 }
22.25–07.45 – JKI-2 9655 –
21.00–10.00 – JKJ 7285 –
For Japanese in the Far East:
03.00–04.00 GMT on JBD3 15225 kc/s
10.00–13.00 – – JKI4 11800 –

FUTURE PLANS: 4 new stations (Hayoro, Kesennuma, Kisofukushima, Tsuwano). 2 existing stations (Tsuruga, Hamada) to start second network transmissions. 1 station (Hobeoka) to increase power. All of them to be finished until March of 1955.

OVERSEAS SERVICE 50 kW

kc/s	m	Call	kc/s	m	Call	kc/s	m	Call
6069	49.43	JOA	9675	31.01	JOB3	11780	25.47	JOB4
6080	49.34	JOB	9695	30.94	JOA3	15135	19.82	JOA6
7180	41.78	JOB2	11705	25.63	JOA4	15235	19.69	JOB5
7242	41.42	JOA2	11725	25.58	JOB6			

Services: I=Western North America. II=Hawaii. III=Australia, New Zealand. IV=North Central China. V=Phillippines & Indonesia. VI=South China. VII=Indo-China, Thailand, Burma. VIII=India/Pakistan. IX=Near East. X=Europe. XI=South America.
Languages: A=Arabic. C=Cantonese (Chinese). E=English. F=French. Fu=Fukien (Chinese). G=German. P=Portuguese. S=Spanish. T=Thai. I=Indonesian. J=Japanese. K=Kuoyu (Chinese).

Hours (GMT)	Service	Language	m.b.1*)	m.b.2*)	m.b.3*)	m.b.4*)
05.00–06.00	I	E, J	49–31	31–25	31–25	31–25
07.00–08.00	II	E, J	31–25	25–19	25–19	31–25
09.00–10.00	III	E, J	31–25	25–19	25–19	31–25
10.30–12.30	IV	K, E, J	41–31	41–31	41–31	31–41
12.45–13.45	V	E, I, J	31–25	31–25	31–25	31–25
14.00–15.00	VI	Fu, C, J	41–31	31–25	31–25	31–25
15.00–16.00	VII	F, T, E, J	31–41	31–25	31–25	31–25
16.15–17.15	VIII	E, J	41–31	31–25	31–25	31–25
17.30–18.30	IX	A, F, E, J	41–31	31–25	41–31	31–41
19.00–20.00	X	E, F, G, J	49–41	41–31	41–31	31–41
23.00–24.00	XI	S, P, J	31–25	25–19	25–19	19–25

*) 1=November–February. 2=March–April. 3=May–August. 4=September–October.

English: 05.00, 07.00, 09.00, 12.00, 12.45, 15.30, 16.15, 18.00, 19.00. **Japanese:** 05.30, 07.30, 09.50, 11.30, 13.35, 14.55, 15.55, 17.05, 18.25, 19.55, 23.30. **French:** 15.00, 17.45, 19.20. **German:** 19.35. **Spanish:** 23.00. **Portuguese:** 23.10. **Arabic:** 17.30. **Indonesian:** 13.15. **Cantonese:** 14.30. **Fukien:** 14.00. **Kuoyu:** 10.30, 11.20. **Thai:** 15.15.
Each program consists of news, commentaries, talks or music.

ANNOUNCEMENTS: English: "This is Radio Japan, broadcasting to..." (Target area). **French:** "Ici Radio Japan, broadcasting to..." (Target area). **German:** "Hier ist Tokyo, der japanische Rundfunk, broadcasting to..." (Target area). **Spanish:** "Aqui Radio Japon...". **Portuguese:** "Estao ouvindo a Radio Japao... **Indonesian:** "Inilah Radio Djepang...".
VERIFICATION by QSL-card or letter. No return postage required.

VOICE OF UNITED NATIONS COMMAND (V.U.N.C.)

ADDRESS: Headquarters U.S. Armed Forces, Psychological Warfare Sechon, Tokyo.
STATIONS:
VUNC Seoul 650 kc/s 46.15 m 2.5 kW – Pusan 4780 kc/s 62.96 m 2.5 kW – JBD Nazaki 9505 kc/s 31.56 m 10 kW – JBD2 Yamato 9560 kc/s 31.38 m 10 kW.
11.00–18.00 exc. JBD from 16.00–18.00. VUNC also from 18.00–22.00. From 14.35–15.05 on NHK stations 690, 830, 870, 1030, 1050, 1330. From 15.05–16.35 on NHK stations 690, 830 kc/s.

PRIVATE STATIONS (Comm.)

NATIONAL ASSOCIATION OF BROADCASTERS IN JAPAN (Nippon Minkan Hoso Renmei)).

ADDRESS: Nishi-ginza Chuo-ku, Tokyo.
Cable: Keubashiz Mimporen.
LEADING PERSONALITIES: President Tadashi Adachi. Directors: Shiyuo Abe, Jiro Ichiriki, Shunkichi Takeuchi, Tadashi Adachi, Muneyoshi Tokugawa, Konosuke Oishi, Kureo Sasabe, Jutaro Katsuta, Yasuji Saga, Michisuke Sugi, Banji Iijima, Jitsuichi Yamamoto, Shiyuo Maekawa, Junichiro Hara, Masatsugu Yamawaki, Tadashi Nagano, Tomindo Iyu. Auditor: Sadashiro Tobishima, Kenkichi Sakaguchi, Kokyo Shiraishi.

Call	kc/s	m	kW	Name
JOCR	560	536	3	Kobe Broadcasting Co., Kobe. 21.00–14.30.
JOHF	580	517	0.5	Radio Sanin Broadcasting Co., Yonago
JOGF	600	500	1	Radio Oita Broadcasting Co., Oita
JOJR	720	417	1	Shikoku Broadcasting Co., Tokushima
JOTR	720	417	1	R. Tohoku Broadcasting Co., Akita
JOLR	740	405	1	Kita Nippon Broadcasting Co., Toyama
JOMR	760	395	1	Hokuriku Broadcasting Co., Kanazawa
JOCF	760	395	3	R. Minami-Nippon Broadc. Co., Kagoshima
JOPR	860	349	1	Fukui Broadcasting Co., Fukui
JOXR	860	349	0.5	R. Mie Broadcasting Co., Tsu
JOZF	940	319	1	R. Kochi Broadcasting Co., Kochi
JODR	940	319	1	Iwate Broadcasting Co., Morioka
JOKR	950	316	50	Radio Tokyo Inc., Tokyo. 20.30–16.00.
JONR	1010	297	10	Asahi Broadcasting Co., Osaka. 20.00–15.07
JOKF	1060	283	0.1	R. Kagawa Broadcasting Co., Takamatsu
JOAR	1070	280	10	Chubu Nippon Broadcasting Co., Nagoya. 21.00–14.15.
JOBR	1100	273	3	Kyoto Broadcasting Co., Kyoto
JOBF	1100	263	1	R. Kumamoto Broadcasting Co., Kumamoto
JOGR	1120	268	1	R. Aomori Broadcasting Co., Aomori
JOAF	1120	268	1	Nankai Broadcasting Co., Matsuyama
JOQR	1130	265	50	Nippon Cultural Broadc. Association, Tokyo
JOEF	1140	263	1	Yamagata Broadcasting Co., Yamagata
JOHR	1190	252	10	Hokkaido Broadcasting Co., Sapporo. 20.20–14.45
JOOR	1210	248	10	The New Japan Broadcasting Co., Osaka
JOWR	1220	246	0.1	R. Fukushima Broadcasting Co., Fukushima
JOER	1240	242	1	R. Chugoku Broadcasting Co., Hiroshima
JOIR	1250	240	10	Tohoku Broadcasting Co., Sendai
JOSR	1260	238	1	Shin-etsu Broadcasting Co., Nagano
JOUR	1260	238	1	R. Nagasaki Broadcasting Co., Nagasaki
JOYR	1280	234	1	Sanyo Broadcasting Co., Okayama
JOFR	1290	232	10	R. Kyushu Broadcasting Co., Fukuoka. 20.30–15.20
JOLF	1310	229	50	Nippon Broadc. System Inc, Tokyo. 20.30–17.00.
JOVR	1400	214	1	Shizuoka Broadcasting Co., Shizuoka
JODR	1420	211	1	R. Niigata Broadcasting Co., Niigata
JOIF	1420	211	1	Kyushu Asahi Broadcasting Co., Kurume
JOOF	1460	206	0.1	Gifu Broadc. Co., Gifu.
JOJF	1490	201	1	R. Yamanashi Broadcasting Co., Kofu
JONF	1490	201	1	R. Migazaki Broadc. Co., Migazaki
JOZ	3925	76.43	5	Nihon Short Wave Broadcasting Co. Tokyo
JOZ2	6055	49.55	5	

NEW JAPAN BROADCASTING COMP. LTD. (Comm.)

ADDRESS: Hankyu Bldg., Kita-ku, Osaka. **Cable:** Radio NJB.
LEADING PERSONALITIES: Man. Dir.: Sinzo Takahashi. Progr. Man.: Ryuzi Kawaguchi. Sales Man.: Toru Seki. Dir. Tec.: Hiroo Sunaga.
HOME SERVICE in Japanese:
JOOR 1210 kc/s 248 m 10 kW 20.30–16.00
N.: Every hour on the hour exc. 11.00. – **Weatherrep.:** D.: 22.10, 03.15, 14.00. – **Time Sign.:** Every hour on the hour. – **Japanese Music:** D.: 05.00–05.30. – **Language Lessons in French:** Sat. 07.30–08.00. – **Request Progr.:** Tues. 11.40–11.55. – **Mailbag:** Tues. 05.30–05.45. – **Bourse:** W.: 02.05–02.15.
VERIFICATION by QSL-card. Return postage not required. Listeners reports wanted.
FUTURE PLANS: Increase of power to 50 kW.

THE NIHON SHORT-WAVE BROADCASTING COMPANY (Pr.-Comm.) Japanese Short Wave Broadcasting Co.

ADDRESS: Akasaka, Minatoku, Tokyo.
LEADING PERSONALITIES: Pres.: Toshio Fukushima. Dir. Adm.: Shigeru Ando. Dir. Tec.: Takeo Kawahara. Dir. Progr. Planning Committee: Shoji Iizawa. Dir.: Sadakichi Odajima. Dir.: Konosuke Koike.
HOME SERVICE in Japanese and English:

JOZ	3925 kc/s	76.43 m	5 kW	21.00–14.00	Japanese
JOZ2	6055 –	49.56 –	5 –	21.00–14.00	Japanese
				10.50–11.00	English

FUTURE PLANS: The office incl. studios will move to: Kikai Boeki Kaikan, 3, 7-chome, Tama-chi, Akasaka, Minato-ku, Tokyo.

ALLIED STATIONS

BRITCOM BROADCASTING STATION (Military)

ADDRESS: British Army Post Office 5, Japan. **Cable:** "Britcom Broadcasting, Japan".
LEADING PERSONALITY: Station Commander, Capt. Colin Hann.
STATIONS:

1450 kc/s	206.9 m	0.5 kW	Britcom Broadcasting Station
6105 –	49.14 –	1 –	Britcom Broadcasting Station
1290 –	232.5 –	0.5 –	Crown Radio

DAILY PROGRAMMES in English (on all frequencies):
D.: 21.30–15.00.
N. from "R. Australia": 21.45–21.55, 22.45–22.55, 03.00–03.10, 04.00–04.10(exc. Sat.), 09.00–09.10. – **N. from BBC:** 11.00–11.10, 13.00–13.10. – **Home N. from Britain:** 13.10–13.15. – **Canadian N. & Sports-**

cast: 09.45–10.00. – **Breakfast Session:** 21.55–22.25, 22.30–22.45(W.). – **"The Forces Choice":** 03.30–04.00(W.). – **"Hospital Session":** 06.30–07.30(W.). – **"Masterworks of Music":** 13.15–14.50(Sun.).

ANNOUNCEMENTS: a) "This is Britcom Broadcasting Station". b) "This is Crown Radio".

VERIFICATION by QSL-card. Return postage not required.

FAR EAST NETWORK (USA AFRS – Military)

ADDRESS: Far East Network, 8213th Army Unit APO 613 c/o PM. S. Francisco, Calif. U.S.A.

LEADING PERSONALITIES: Dir.: Major Edward J. Albany. Dir. Tec.: R. H. Phillips.

HOME SERVICE in English: 21.00–15.00

Medium Waves:

	kc/s	kW		kc/s	kW		kc/s	kW
Tokyo	810	10	Otsu*	1540	0.1	Chitose*	1570	0.25
Nagoya	1270	10	Sasebo*	1540	0.25	Oita*	1570	0.25
Sendai	1450	10	Niigata	1550	0.25	Miho	1580	0.1
Kobe*	1530	0.25	Kyushu	1550	0.25	Kumamoto*	1580	0.25
Hachinohe	1530	0.25	Younghans*	1560	0.1	Iwakuni	1590	0.25
Kokura*	1530	0.25	Nara*	1560	0.1	Hokkaido	1590	0.25

* Relay Stations.

Short Waves: 10 kW Relay Tokyo 810 kc/s:

4860 kc/s	61.73 m	9605 kc/s	31.24 m
6080 –	49.34 –	11750 –	25.53 –
6160 –	48.70 –	11825 –	25.37 –

DAILY PROGRAMMES: In English: (Relay Tokyo): 10.30–15.00, 21.00–23.00 on 6160 kc/s. 23.15–10.15 on 11750 kc/s.

News: 22.00 (6160 kc/s), 01.00, 03.30, 06.00, 09.00 (11750 kc/s), 12.00, 14.00 (6160 kc/s). – **Time Sig.:** On the hour from 21.00–15.00 (6160, 11750 kc/s).

ANNOUNCEMENT: "FEN Far East Network".

INTERVAL-SIGNAL: 1000 cycle tone every hour on the hour.

VERIFICATION: All listeners reports answered by QSL-card. No postage required.

KASHMIR

RADIO KASHMIR

SRINAGAR:	1490 kc/s	201.35 m	4860 kc/	61.73 m
	3277 –	91.55 –	6110 –	49.10 –

HOME SERVICE: 02.00–04.00(Sun. 04.30) on 1490, 4860 kc/s. 07.00–08.30 on 1490, 6110 kc/s. 12.30–17.30 on 1490, 3277 kc/s. **N.: English:** 02.30, 15.30. **N.: Urdu:** 03.20, 07.00, 14.15, **N.: Kashmiri:** 04.00, 13.30.

JAMMU: 990 kc/s 303.0 m: 02.00–04.00(Sun. 04.30), 12.30–16.30. **N.: English:** 02.30, 15.30. **N.: Urdu:** 03.20, 14.15. **N.: Dogri:** 03.10, 13.00. **N.: Hindi:** 14.45.

REPUBLIC OF KOREA (SOUTH)

SEOUL BROADCASTING STATION (Govt.)]

ADDRESS: Seoul Broadcasting Station, Office of Public Information, Seoul.

LEADING PERSONALITIES: Dir.: O. Y. Lee. Dir. Tec.: Ki Syun Hahn.

HOME SERVICE in Korean (exc. where indicated)

Seoul (Key Station) HLKA: 20.30–23.30, 03.00–05.00, 09.00–15.30 970 kc 309.0 m 10 kW – 2510 kc 120.5 m 10 kW – 7935 kc 37.81 m 1 kW

Local Stations:

		kc/s	kW			kc/s	kW
HLKG	Taegu	710	10	HLKI	Taejon	880	10
HLBK	Pusan	800	5				

Most of local Stations relay Seoul. + 9 low power stations less 0.5 kW.

In Korean: Religious: Sun. 21.45–22.15. – **Weatherrep.:** 23.00–23.15, 13.15–13.30. – **Time-Sig.:** Each hour on the hour. – **N.:** 21.00, 03.45, 09.30, 12.30. – **Commentary:** 11.45–12.00. – **Sport:** 10.45–11.00. – **Other programmes:** Ministry of National Defense Hours; VOA relay; UNO-progr., relay from New York; UNO Command program13.30–15.00; relay from Tokyo (see **Japan**).

In English: Language-Lesson (Korean English): W: 21.45–22.00, 13.00–13.15.

Voice of Free Korea in English: D.: 10.30–10.45 (exc. Sun., Sat.).

Voice of Free China in Chinese: Mo., Fri. 15.00–15.15.

ANNOUNCEMENT: In Korean and English each 30 minutes (name of station).

INTERVAL-SIGNAL: Sign on and sign off: Korean National Anthem. – **Voice of Free Korea:** "Arirang" (Korean Folksong). – **Voice of Free China:** "Revolution of Youth".

VERIFICATION by letter. Every question about Korean Broadcasting will be answered.

FUTURE PLANS: New powerful s.w. station and two m.w. stations in Seoul. In the near future programmes in English, Chinese and Japanese.

ARMED FORCES KOREAN NETWORK (USA Military)

6895 kc/s 43.52 m. **English:** 20.30–16.00 relay 9 m. w. stations.

MACAU (Portuguese China)

RADIO VILA VERDE (Comm.)

ADDRESS: Radio Vila Verde, Rua Francisco Xavier Pereira, Macau. Cable: Vila-Macau.

HOME SERVICE:

CR9XL 765 kc/s 392 m 2 kW, 1005 kc/s, 298 m 2 kW.
Chinese: 00.30–13.00. – **Portuguese:** 13.00–16.00.

ANNOUNCEMENT: CR9XL: **English:** "This is Radio Vila Verde, Macau".

INTERVAL-SIGNAL: CR9XL: Sol-Sol-Mi-Do.

VERIFICATION by QSL-card'

MALAYA

BRITISH FAR EASTEN BROADCASTING SERVICE:

See Great Britain

RADIO MALAYA

ADDRESS: Department of Broadcasting, P. O. Box No. 3002, Singapore. Cable: Broadcast, Singapore. Department of Broadcasting, P. O. Box 233, Kuala, Lumpur.

LEADING PERSONALITIES: Director: H. W. Jackson. Act. Deputy Director: F. N. Lloyd Williams.

HOME SERVICE:

BLUE NETWORK
English-Malay

	kc/s	m	kW
Singapore	630	476	10
Penang	820	366	2
Kuala-Lumpur	875	343	10
	6025	49.80	5
Singapore	7200	41.67	5
Singapore	4820	62.24	5

RED NETWORK
Malay-Indian-Chinese

	kc/s	m	kW
Singapore	790	380	10
Penang	660	455	2
Kuala-Lumpur	695	432	10
	6025	49.80	5
Singapore	6135	48.90	7.5

Malacca (one network only): 1010 kc/s 297 m 0.25 kW.

GREEN NETWORK: Chinese:
Singapore 1370 kc/s 228 m 10 kW – 6175 kc/s 48.60 m 5 kW
4778 – 62.80 – 7.5 – – 5010 – 59.78 – 7.5 –

ENGLISH: Mo. to Fri.: 23.45–01.00, 01.30–04.00 (Fri. only), 05.30–06.30, 09.30–15.30, Sat. 23.45–01.30, 05.30–16.00. Sun. 23.45–04.30, 05.30–15.30. – **N.:** 00.00, 06.00, 11.30, 14.00. **MALAY:** Mo. to Fri. 23.00–23.45, 01.00–01.30, 04.30(Fri. 04.00)–05.30, 12.00(Mo. 11.30)–14.30. Sat. 23.00–23.45, 04.30–05.30, 12.00–14.30. Sun. 23.00–23.45, 04.30–05.30, 12.00–14.50. **CHINESE:** (Two networks). W.: 23.40–02.30, 05.15(Mo. 06.30)–09.15, 09.30–15.30. Sun. 23.50–15.30. **INDIAN:** W.: 23.00–23.40, 04.30–05.15, 09.00(Sat. 09.15)–12.00.

ANNOUNCEMENTS: In English, Malay, Chinese, Indian: "This is the (Blue, Red or Green) network".

INTERVAL-SIGNAL: C-C-A-G on a Hawaiian Guitar.

VERIFICATION by QSL-card.

Membership: 39 Broadcasting Companies
(57 radio stations & 1 TV station)

NATIONAL ASSOCIATION OF BROADCASTERS IN JAPAN

8–7 NISHI-GINZA CHŪŌ-KU TOKYO · JAPAN

NEPAL

RADIO NEPAL (Govt.) ADDRESS: Kathmandu.

LEADING PERSONALITY: Superintending Eng.: K. B. Khatry.

HOME SERVICE in Nepali, Hindi, English, Newari:
1500 kc/s 200 m 0.08 kW 7100 kc/s 42.25 m 0.25 kW.
On 1500 kc/s: 12.35–13.50. – On 7100 kc/s: 03.20–04.50, 07.50–09.20, 11.35–12.20. – N. in Nepali: 04.20–04.30, 12.05–12.15. – N. in Hindi: 04.30–04.40, 11.55–12.05. – N. in English: 04.40–04.45, 11.50–11.55. – N. in Newari: 04.45–04.50. – Recorded music: 07.50–09.20, 11.35–11.50.

PAKISTAN

RADIO PAKISTAN (Govt.)

ADDRESS: Directorate General, Radio Pakistan, 71 Garden Road, Karachi 3. – Cable: "Pakbrocast", Karachi.

LEADING PERSONALITIES: Dir. Gen.: Z. A. Bokhari. Dir. Tec.: Riaz Ahmad. Deputy Dir. Gen. (Progr.): Rashid Ahmed. Deputy Dir. Gen. (Adm.): A. Salman. Deputy Dir. Tec.: Bashir Ahmad. Dir. News: A. G. Eirabi. Dir. External Services: G. K. Farid. Dir. Staff Training & Music: Zafar Husain. Dir. Monitoring: Sh. Ihsanul Haque. Resident Eng., High Power Transmitters: Sadiq Shah. Maintenance Eng.: M. A. Rahman. Research Eng.: S. A. Aziz. Installation Eng.: M. G. Baig. Dir. Progr. Planning: S. A. Hafeez. Dir. of Liaison: Hameed Naseem. Adm. Officer: K. A. Mukhtar. Editor, Radio Publications: Ghulam Abbas. – Regional Directors: Karachi: S. S. Niazi. Dacca: Zainulabedin. Lahore: Mahmud Nizami. Peshawar: M. Iqbal. Rawalpindi: A. Qutb. – Regional Engineers: Karachi: G. Jeelani. Dacca: Z. A. Khan. Lahore: M. Sharif. Peshawar: Imaduddin. Rawalpindi: Nasir Ahmed.

STATIONS:
Medium Waves:

	kc/s	m	kW		kc/s	m	kW
Peshawar	790	380	10	Dacca	1170	256	10
Karachi	830	361	10	Chittagong	870	345	1
Lahore	1090	275	5	Rajshahi	1340	224	1
Rawalpindi	1150	261	10				

Short Waves:
Karachi: Frequencies marked with * 10/50 kW; other 50 kW.
H = Home Service. F = Foreign Service.

kc/s	m		kc/s	m		kc/s	m	kW
*2420	124.0	H	7225	41.52	HF	11845	25.33	HF
*3335	89.96	HF	7263	41.31	H	11885	25.24	HF
*3395	88.37	HF	7270	41.27	H	11914	25.18	HF
*3915	76.63	HF	9484	31.63	HF	15135	19.83	F
*3955	75.85	HF	9518	31.52	HF	15160	19.79	HF
*4895	61.29	H	9545	31.43	HF	15205	19.73	HF
*4910	61.10	HF	9614	31.20	HF	15255	19.67	HF
4935	60.79	H	9630	31.15	HF	15270	19.65	HF
5980	50.17	HF	9645	31.10	HF	15335	19.56	HF
5990	50.08	HF	9755	30.75	HF	15620	19.21	HF
6035	49.71	H	11570	25.93	HF	17710	16.94	H
6075	49.38	H	11580	25.91	HF	17715	16.93	H
6235	48.12	HF	11650	25.75	HF	17750	16.90	HF
7010	42.80	HF	11674	25.70	HF	17770	16.88	HF
7096.6	42.27	HF	11726	25.58	HF	17835	16.82	HF
7110	42.19	HF	11770	25.49	HF	21570	13.91	HF
7200	41.67	H	11810	25.40	H	21580	13.90	HF
						21590	13.90	H
						21630	13.87	HF
						21690	13.83	HF

Dacca: 7.5 kW (Home Service):

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2350	127.7	6112	49.06	7655	39.19	11885	25.24
3325	90.23	6120	49.02	7667.5	39.13	11890	25.23
3955	75.85	7140	42.02	9614	31.20	15270	19.65
4807	62.41	7150	41.96	9645	31.10	15335	19.56
5035	59.58	7225	41.52	11725	25.58	17835	16.82
6090	49.26	7623	39.29				

Lahore: 1 kW (Home Service)

kc/s	m	kc/s	m	kc/s	m	kc/s	m
2400	125.0	4785	62.70	7270	41.27	11840	25.34
3335	89.96	6025	49.79	7284	41.19		
3395	88.37	6075	49.38	9645	31.10		
3915	76.63	6138	48.88	11800	25.42		

FM Stations: Karachi 0.25 kW.
88.3 mc/s, 89.3 mc/s, 90.3 mc/s, 92.0 mc/s, 102.0 mc/s.

HOME SERVICES

MEDIUM WAVE PROGRAMMES:

Karachi: 830 kc/s: In Arabic, English, Urdu, Sindhi:
W. exc. Fri.: 01.45–03.30, 07.00–09.00, 12.00–17.30. Fri.: 01.45–03.30, 12.00–17.30. Sun.: 01.45–09.00, 12.00–17.30.

Lahore: 1090 kc/s: In Arabic, English, Urdu, Punjabi.
W. exc. Fri.: 01.45–04.00, 06.30–08.30, 12.00–17.30. Fri.: 01.45–04.00, 12.00–17.30. Sun.: 01.45–04.30, 06.30–13.30, 12.00–17.30.

Peshawar: 790 kc/s: In Arabic, English, Urdu, Pashto.
W. exc. Fri.: 01.45–04.00, 07.00–08.30, 11.30–17.00. Fri.: 01.45–04.30, 11.30–17.00. Sun.: 01.45–04.30, 07.00–08.30, 11.30–17.0

Rawalpindi: 1150 kc/s: In Arabic, English, Urdu, Pothohari.
W. exc. Fri.: 01.45–04.00, 07.00–08.30, 11.30–17.00. Fri: 01.45–04.00, 11.30–17.00. Sun.: 01.45–04.30, 07.00–08.30, 11.30–17.00.

Dacca: 1170 kc/s: In Arabic, English, Urdu, Bengali.
W. exc. Fri.: 01.00–03.00, 07.00–08.30, 12.00–17.30. Fri.: 01.00–03.30, 11.00–17.30. Sun.: 01.00–03.30, 06.00–07.30, 11.00–16.30.

Abbreviations: (K = Karachi; L = Lahore; P = Peshawar; R = Rawalpindi; D = Dacca).

NEWS: **English:** 02.00–02.15 KLPRD; 06.30–06.40 KD; 08.00–08.10 KLPR; 12.00–12.10 KLPRD; 14.45–15.00 KLPR. – **Urdu:** 02.15–02.30 KLPRD; 08.10–08.20 KLPR; 12.10–12.20 KLPR; 15.00–15.15 KLPRD. – **Bengali:** 01.45–02.00 D; 06.40–06.50 D; 13.45–14.00 D. – **Pashto:** 02.50–03.00 P; 07.50–08.00 P; 12.20–12.30 P. – **Sindhi:** 12.30–12.40 K.

WEATHERREP.: **English:** D.: 06.00–06.05 (exc. Fri.), 11.55–12.00.

TIME SIGN.: K.: 02.00, 03.00, 07.00, 08.00, 12.00, 14.00 (also on s.w.)

PROGR. PREVIEW: **Urdu:** 03.00, 08.05 L.

RELIGIOUS PROGRAMMES: **Arabic:** 01.45–02.00 KLPR (Holy Quran). – **Arabic, Bengali:** 01.00–01.15 D (Holy Quran). – **Arabic, Pashto:** 12.30–12.35 P (Holy Quran). – **Hindi, Urdu:** 03.15–03.30 (Tues) K (Bhagwat Geeta). – **Hindi, Bengali:** 02.40–02.50 (Thurs) D (Bhagwat Geeta). – **Bengali:** 02.50–03.00 (Wed. fortnightly) D (Tripitaka). – **English, Bengali:** 02.40–02.50 (Last Sun. of each month) D (the Bible).

NATIONAL MUSIC is broadcast daily from each station of "R. Pakistan" on the chunks other than those reserved for fixed-point items, spoken-word items and News.

LESSONS IN URDU: 02.40 Mo., Wed. D.

REQUEST PROGRAMMES: **Urdu:** K: 07.15–08.00(Sun.), 16.00–16.30(Wed.). L: 15.45–16.15(Tues). P: 07.00–07.30(Sun.), 16.30–17.00(Wed.). R: 07.00–08.00 & 08.20–08.30(Sun.), 15.30–16.00(Wed.). **Urdu & Bengali:** D: 15.15–15.45(Sun.).

MAILBAG: **Urdu:** K: 07.00–07.15(Sun.). L: 14.00–14.15(Thurs.). P: 15.15–15.30(Thurs.). R: 15.20–15.30(Wed.). **Bengali:** D: 13.15–13.30(Wed.).

SHORT WAVE PROGRAMMES:
Abbreviations: E = English; U = Urdu; Pa = Pashto; Ka = Kashmiri; Ba = Baluchi; Be = Bengali.
I = Nov./Febr. – II = March/April; Sept./Oct. – III = May/Aug.

KARACHI TO WEST PAKISTAN: **Arabic, English, Urdu, Sindhi, Pashto, Bengali, Kashmiri, Baluchi.**

	I m.b.	II m.b.	III m.b.	News:
01.45–03.30	49	49	49	02.00 E, 02.15 U, 02.50 Pa.
07.00–09.00	31	31	41	07.50 Pa, 08.00 E, 08.10 U.
12.00–15.15	85, 60, 49	49, 41	49, 41	12.00 E, 12.10 U, 12.20 Pa. 12.30 Ka, 12.45 Ba, 14.45 E. 15.00 U.

KARACHI TO EAST PAKISTAN: **Bengali, English, Urdu, Pashto.**

	I m.b.	II m.b.	III m.b.	News:
01.45–03.30	25	25	25	01.45 Be, 02.00 E, 02.15 U, 02.50 Pa.
06.30–09.00	19, 16	19, 16	25, 19	06.30 E, 06.40 Be, 07.50 Pa, 08.00 E, 08.10 U.
12.00–15.15	41, 25, 19	41, 25, 19	31, 25, 16	12.00 E, 12.10 U, 13.45 Be, 14.45 E, 15.00 U.

LAHORE ZONAL SERVICES: **Arabic, English, Urdu, Punjabi.**
01.45–04.00 in 75 m.b.; 06.30–08.30 in 60, 49 m.b.; 12.00–17.30 in 90, 60, 49 m.b.

DACCA ZONAL SERVICES: **Arabic, English, Urdu & Bengali.**
01.45–04.00 in 75 m.b.; 06.30–08.30 in 60, 49 m.b.; 12.00–17.30 in 90, 60, 49 m.b.

DACCA TO WEST PAKISTAN: **Urdu:** 03.45–04.00 in 19 m.b.

ANNOUNCEMENT: The name of the station (Radio Pakistan, Karachi, Lahore, Peshawar, Rawalpindi, Dacca) and the frequency of the particular transmission are announced. **English:** "This is Radio Pakistan". **Urdu:** "Yeh Radio Pakistan he".

EXTERNAL SERVICES

I = Nov./Febr.; II = March/April; III = May/Aug; IV = Sept./Oct.
Abbrevations: FE = Far East, SEA = South East Asia, ESA = East South Africa, SA = South Asia, Bu = Burma, In = Indonesia, Ir = Iran, UK = United Kingdom, T = Turkey.

	Language	Service	I m.b.	II m.b.	III m.b.	IV m.b.
00.15–00.30	English	GOS-FE	41, 31	31, 25	25, 19	31, 25
00.45–01.30	Urdu/English	SEA	31, 25	31, 25	25, 19	31, 25
04.00–04.45	Gujarati	ESA	19, 16	19, 16	19, 16	19, 16
09.15–10.30	Urdu	SA	31, 16	31, 19	31, 19	31, 16
11.00–11.45	Burmese	Bu	19, 16	19, 16	19, 16	19, 16
12.45–13.30	English	In	19	19	19	16
15.30–16.30	Afghan/Persian		75, 49, 41	75, 49	49, 41	49, 41
16.45–17.30	Persian	Ir	75, 49	75, 49	49, 41	49, 41
17.40–18.00	English	GOS	49, 41	49, 41	41, 31	41, 31
18.00–19.00	Arabic		49, 41	49, 41	41, 31	41, 31
19.15–20.00	English	T	49, 41	49, 41	41, 31	41, 31
20.00–20.45	English	UK	49, 41	49, 41	41, 31	41, 31

NEWS: English: 00.15–00.30, 17.40–18.00; Gujarati: 03.50–04.00; Burmese: 11.05–11.15; Afghan/Persian: 15.35–15.45; Persian: 16.50–17.00; Arabic: 18.05–18.15.
REQUEST PROGRAMMES: Arabic: 18.00–19.00 (Sun., Thurs); Burmese: 11.00–11.45 (Sun., Thurs); Gujarati (& Urdu): 04.00–04.45 (Sun., Wed.); Persian: 16.45–17.30 (Mo., Thurs.).
ANNOUNCEMENT: English: "This is Radio Pakistan".
VERIFICATION by QSL-card or letter. Return postage not necessary.

SARAWAK

SARAWAK BROADCASTING SERVICE (Govt.)

ADDRESS: Publicity Officer, Sarawak Broadcasting Service, Kuching.
LEADING PERSONALITY: Dir. Tec.: J. A. Sander.
HOME SERVICE in English, Iban, Chinese, Malay:
Kuching: 850 kc/s 335 m 5 kW 4860 kc/s 61.73 m 5 kW.
English: 10.30–11.30, 13.30–13.45. Iban: 11.30–12.00.
Chinese: 12.00–12.45. Malay: 12.45–13.30

TAIWAN (Formosa)

BROADCASTING CORPORATION OF CHINA

(Semi-Governmental belonging to the Chinese Kuomintang Party)
ADDRESS: 53 Section 3, Jen Ai Road, or Taipei New Park, Taipei. Cable: "BCC Taipei".

LEADING PERSONALITIES: Pres.: Liang Han-chiao. Man. Dir.: James Wei. Deputy Man. Dir.: Shelley Lowe.
Stations: (Taiwan Broadcasting Station and Voice of Free China, Taipei).

Medium Waves:

Call	kc/s	m	kW	
BED22	660	454	10	Taiwan Broadcasting Station
BED2	750	400	250	Voice of Free China
BED25	840	357	1	Kaoshiung Broadcasting Station
BED28	890	337	0.5	Taitung
BED23	960	313	1	Taichung
BED9	1020	294	20	Taiwan
BED24	1040	289	1	Tainan
BED26	1070	280	0.5	Chiayi
BED32	1190	252	1	Hualien

Short Waves:

Call	kc/s	m	kW	
BED29	6095	49.22	3.5	Taiwan
BED7	7130	42.08	20	Voice of Free China
BED6	11736	25.56	50	– – – –
BED4	11920	25.17	50	– – – –

During summer-time period all programmes are one hour earlier.

HOME SERVICE

ON 660 AND 6095 KC/S IN CHINESE, ENGLISH: 22.30–02.00, 03.55–07.00, 09.30–15.30.

NEWS: Mandarin: 23.00–23.05, 00.00–00.10, 01.00–01.05, 04.00–04.05, 05.00–05.10, 06.02–06.07, 11.00–11.10, 12.02–12.10, 13.02–13.12, 14.00–14.05, 15.00–15.10. – Taiwan Dialect: 00.30–00.40, 01.30–01.35. – English: 23.23–23.35.
Religious Program: Sun. 10.10–10.25 (Mandarin), 11.00–12.00 (English). – National Music: 00.10–00.30, 05.10–05.25, 06.07–06.30. – Language Lessons: English: Mo.–Sat. 23.05–23.25. Mo., Tues., Wed., Fri.: 11.30–12.00. – Weatherrep.: Mandarin and Taiwan Dialect: 00.40–00.50. Only Mandarin: 06.00–06.02, 12.00–12.02, 13.00–13.02. – Time-Sign.: 00.00, 04.00, 12.00, 13.00.

ON 1020 KC/S IN TAIWAN DIALECT: 03.55–07.00, 09.30–15.30.
NEWS: 04.00–04.05, 05.00–05.10, 06.02–06.07, 11.00–11.10, 12.22–12.30 (13.02–13.13 Mandarin), 15.00–15.10.
Religious: Sun. 11.00–11.30 (English), Mo. 13.30–14.00 (English). – National Music: 14.30–15.00. – Language Lessons: English: 04.30–05.00 (Mo.–Sat. on 6095 kc/s). – Chinese: 10.10–10.40. – Weatherrep.: 04.05–04.10 (also on 6095 kc/s), 06.00–06.02, 12.20–12.22 (13.00–1302 Mandarin).

OVERSEAS SERVICE:

TO AMERICA (W. Coast): 04.00–07.00 on 11736 & 11920 kc/s.
N. AND COMMENTARY: English: 04.05–04.30. – Mandarin: 04.45–04.55. – Cantonese Dialect: 05.05–05.30. – Cantonese Music: 04.55–05.05.
N. at Dictation Speed (Mandarin): 06.00–07.00. – "Fatherland and Overseas Chinese": 04.35–04.45.

TO EUROPE AND MIDDLE EAST: 08.30–10.00 on 11736, 11920 kc/s.
N. AND COMMENTARY: English: 08.35–09.05. French: 09.10–09.35. Arabic: 09.40–09.55. – Western Music: 09.05–09.10, 09.35–09.40.

TO JAPAN, KOREA AND SOUTH-SEA ISLANDS: 11.00–14.00 on 7130 kc/s.
N. AND FEATURE: Japanese: 11.05–11.30. – Korean: 11.30–11.40. Hakka Dialect: 11.40–12.00. Chouchow Dialect: 12.00–12.20. Amoy Dialect: 12.20–12.35. Cantonese: 13.00–13.25. Vietnamese: 13.45–14.00. "Fatherland and Overseas Chinese": 12.50–13.00. Chinese Opera: 13.25–13.45. Weatherrep.: 12.35–12.40.
N. at Dictation Speed (Mandarin): 14.00–14.30.

ANNOUNCEMENT: For each foreign broadcast: "This is the Voice of Free China from the radio station of B.C.C. operating on 11920 and 11736 kc/s in the 25 m.b. This program for the benefit of our English-speaking friends in the U.S. of America can be heard every day from 04.00–07.00 GMT (in European Service from 08.30–10.00 GMT).
VERIFICATION by QSL-card. Return postage not required.

AIR FORCE BROADCASTING STATION BEC32

ADDRESS: Chungcheng Road, Taipei.
LEADING PERSONALITY: Chief of the Station: Lo Chun-tsai.
STATIONS: BEC32, Taipei: 22.30–24.00, 03.00–07.00, 09.00–16.00 980 kc/s 306.0 m 1 kW. – 9775 kc/s 30.68 m 3 kW 6119 kc/s 49.02 – 3 –
NEWS: Mandarin: 23.00, 04.20, 10.20, 15.05. – Taiwan Dialect: 05.50.
INTERVAL-SIGNAL: Air Force Song.

POLICE BROADCASTING STATION (Govt. Police-Information, Educational)

ADDRESS: Police Broadcasting Station of Taiwan, Tientsin Road, Taipei.
LEADING PERSONALITIES: Pres.: S. C. Chen. Vice Presidents: C. Y. Tuan, M. R. Shiau.
HOME SERVICE in Chinese: BEC38 0.5 kW:
940 kc/s 319.1 m – 5960 kc/s 50.34 m
N.: 00.10, 05.10, 10.30.
National Music: 04.40–05.00, 11.40–12.00, 13.30–13.40. – Language Lessons: English: 11.00–11.30. – Weatherrep.: 01.00, 04.30.

VOICE OF RIGHTEOUSNESS (BEC36) AND CHENG-SHENG BROADCASTING STATION (BEV 34)

ADDRESS: Shih-lin, Taipei.
LEADING PERSONALITY: Director: S. H. Shia.
STATIONS: 1) "Voice of Righteousness". – 2) "Chengsheng Br. St. BEC36: 1270 kc/s 236.2 m 0.5 kW 1). – 7300 kc/s 41.10 m 3.5 kW 1). – BEV34: 820 kc/s 365.0 m 0.5 kW 2).
DAILY PROGRAMMES in Mandarin and Cantonese to Taiwan and Chinese Mainland:
BEC36: 21.00–00.00, 03.30–05.30 (both Chinese and English), 11.00–16.00 (Chinese) to Taiwan and Chinese Mainland.
N. in Chinese: 22.45, 11.10, 12.10, 13.10, 14.10. – N. at Dictation Speed: 15.10–16.00. – Religious Progr. in English: 23.30–24.00.
BEV34 to Taiwan: Religious, Chinese: 22.00–06.00, 07.55–15.40.
FIXED PROGR. in Chinese: Language Lessons English: 22.15–22.45, 13.45–14.15 on 820 kc/s. – Request Progr.: 00.45–01.00 on 820 kc/s.
N.: 11.10, 12.10, 13.10, 14.10 on 7300 kc/s
ANNOUNCEMENT: BEC36: "The Voice of Righteousness from Taipei". – BEC34: "Cheng-Sheng Radio Station".
INTERVAL-SIGNAL: National Anthem.
VERIFICATION by letter.

MILITARY BROADCASTING STATIONS:

ADDRESS of ADMINISTRATION: Military Broadcasting Corps, Ministry of National Defence, Taipei.
STATIONS:

	kc/s	m	kW			kc/s	m	kW
BEC 22	1100	273.0	3	–	BEC 24	1250	240.0	1
	5950	50.42	3	–		9910	30.27	3
	7000	42.85	1	–	BEC 26	1330	225.6	1.5
	11745	25.54	3	–		10020	29.90	1.5
BEC 23	1200	250.0	1	–	BEC 25	1350	223.0	1

BEC 22: ADDRESS: No. 3 Section I, Hsinyi Road, Taipei.

LEADING PERSONALITY: Chief of Broadc. Service: Hsu Fu-hua.

DAILY PROGRAMMES: 22.30–00.40, 04.00–06.00, 09.30–16.00. N.: 23.00, 04.10, 10.40, 13.00, 14.45.

BEC23: ADDRESS: Behind the Taichung Municipal Govt., Taichung.
DAILY PROGRAMMES: 22.30–00.00, 04.00–06.00, 09.30–15.00. N.: 23.00, 04.20, 10.30, 14.45.

BEC24: ADDRESS: No. 126 Takangpu, Kaohsiung.
DAILY PROGRAMMES: 22.30–00.00, 04.00–06.00, 09.30–16.00. N.: 23.20, 04.05, 14.40.

BEC26: ADDRESS: Inside the Naval Headquarters, Tsoying.
DAILY PROGRAMMES: 22.30–00.00, 04.00–06.00, 09.30–16.00. N.: 23.20, 04.50, 14.10.

BEC25:ADDRESS: Hualien, Taiwan.

DAILY PROGRAMMES: 22.30–00.00, 04.00–06.00, 09.30–15.00. N.: 23.00, 04.10, 13.30.

OTHER BROADCASTING STATIONS:
8 low power m. w. stations.

THAILAND

THE THAI NATIONAL BROADCASTING STATION
(Govt.)

ADDRESS: The Thai Broadcasting Station, Public Relations Department, Bangkok. Cable: "Radio Thailand".

LEADING PERSONALITIES: Dir. Gen., Major-General: M. L. Kharb Kunjara. Deputy Dir. Gen.: P. Hongsanan. Dir. Overseas Services: Mrs. Somchit Siddhichai. Dir. Spoken Word (English): Dr. Witt Siwasariyanon. Dir. Tec.: Leut. P. Yangprida R. N. Dir. Home Service: S. Srichumsin.

HOME SERVICE in Thai: D.: 00.00–01.00, 12.00–15.20.

	kc/s	m	kW		kc/s	m	kW
HSK	825	363.0	10	HSK5	6240	48.07	1
HSK6	7140	42.02	1	HSK7	11910	25.18	0.5
HSK8	15640	19.18	0.25				

N.: 00.25, 13.00.

FOREIGN SERVICE:
HSK9 11670 kc/s 25.64 m 50 kW.

For the Thai Forces in Korea: 09.30–10.20. National Song, Progr. Prev., Music, Home News (09.35), Family Messages, Music.

General Overseas Service: 10.25–11.57. Progr. Pr., Music, N. in English (10.30), Music, Topical Talk, Press Review, Music, Progr. in Malay (11.30), Progr. in Chinese (11.45). Royal Anthem.

Relay from Home Service: 13.00–14.00. Time Sig., Home News in Thai, Music, Talk in Thai, Music.

North American Service: 04.15–05.15. National Song, Progr. Preview, Music, N. in English (04.25), Music, Topical Talk, Press Review, Music, Royal Anthem.

ANNOUNCEMENTS: Opening and closing Overseas Service: "This is the Overseas Broadcasting Station of Thailand", in between: "This is Radio Thailand" or "This is HSK9 transmitting the ... of Radio Thailand".

INTERVAL-SIGNAL: Chimes.

VERIFICATION by QSL-card and letter. Return postage not required. Address reports to: The Overseas Broadcasting Division, Public Relations Dept., Bangkok, Thailand.

THAI ARMY RADIO, Bangkok
HS1JS 4875 kc/s 61.54 m 0.25 kW: In Thai: 11.30–12.00

THAI POLICE RADIO, Bangkok
901 kc/s 333.1 m D.: 04.30–07.00, 10.30–12.30.

POST AND TELEGRAPH, Bangkok
990 kc/s 303 m
4755 – 63.1 –
7022 – 42.7 –
Sun.: 01.00–05.30. D.: 08.30–13.30.

HOME GUARD RADIO, Bangkok
1100 kc/s 272 m – 6210 kc/s 48.3 m D.: 01.00–03.00 10.30–13.00.

PACIFIC

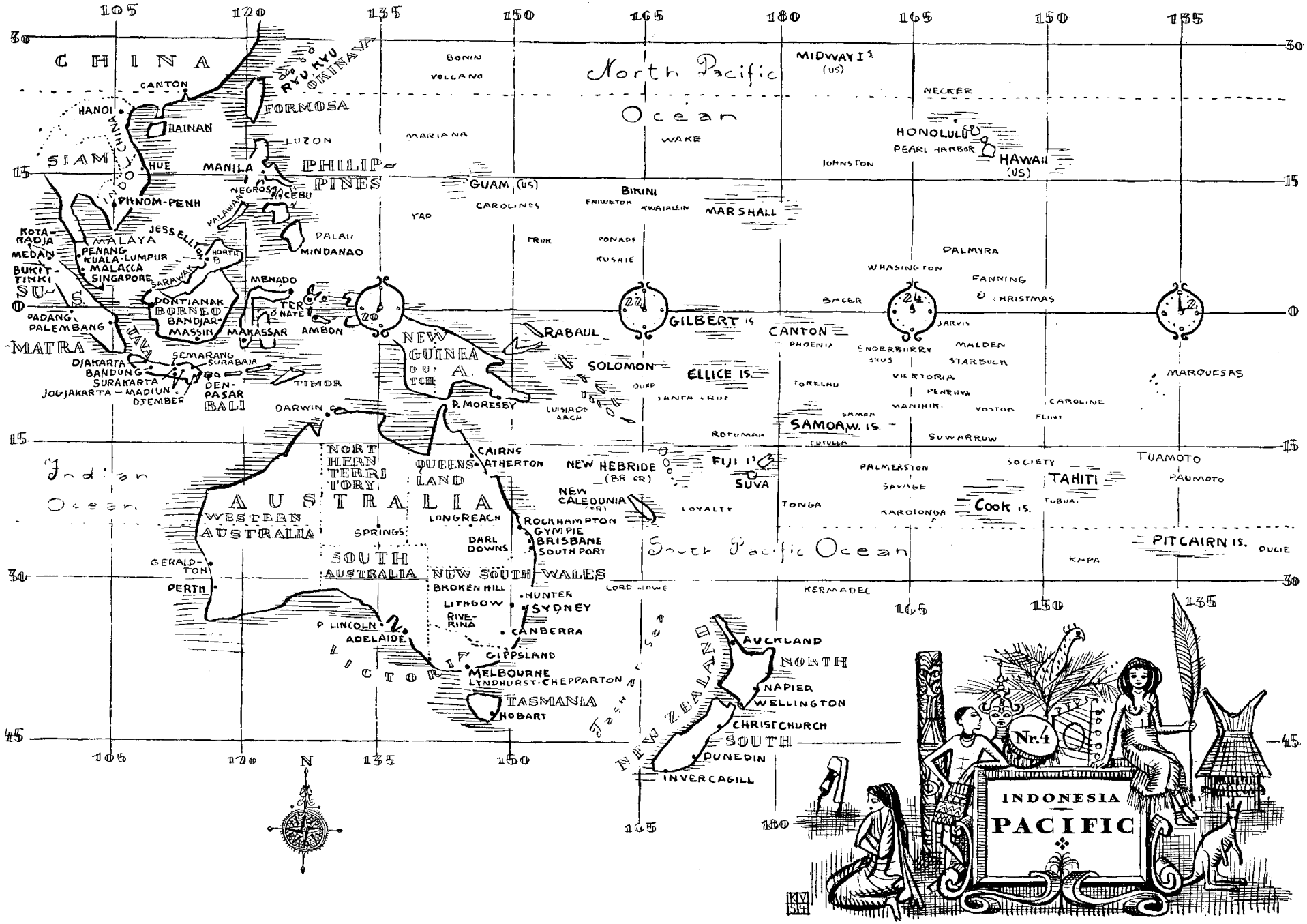
AUSTRALIA

AUSTRALIAN BROADCASTING COMMISSION

ADDRESSES: Australian Broadcasting Commission, Head Office, 264 Pitt Street, Sydney Overseas Service, "Radio Australia", P.O. Box 780 G.P.O. Melbourne.
LEADING PERSONALITIES: Chairman: R. J. F. Boyer. Vice-Chairman: E. R. Dawes. Gen. Man.: C. J. A. Moses. Ass. Gen. Man.: A. N. Finlay. Controller of Progr.: Dr. K. L. Barry.
THE NATIONAL BROADCASTING SERVICE
Medium Wave Service
*=Metropolitan; **=Regional.

AUSTRALIAN CAPITAL TERRITORY

Call	kc/s	kW	Name/Location	
2CY**	850	10	Canberra	20.00(Sun.20.30)–13.30(Sat.14.00)
2CN*	1540	2	Canberra	21.00–13.00(daily)
New South Wales				
2CR**	550	10	Central (Cumnock)	20.00(Sun.20.30)–13.30(Sat.14.00)
2FC*	610	10	Sydney	21.00–13.30(Sat.14.00)
2NU**	650	10	N. Tablelands (Manilla)	20.00(Sun.20.30)–13.30(Sat.14.00)
2CO**	670	10	Riverina (Corowa)	20.00(Sun.20.30)–13.30(Sat.14.00)
2KP**	680	10	Kempsey (Smithtown)	
2NR**	700	10	N. Rivers (Grafton)	20.00(Sun.20.30)–13.30(Sat.14.00)
2TR**	720	0.2	Manning River (Taree)	20.00(Sun.20.30)–13.30(Sat.14.00)
2BL*	740	10	Sydney	20.00(Sun.20.30)–13.00
2NB**	760	1	Broken Hill	20.30(Sun.21.00)–14.00(Sat.14.30)
2NA**	820	2	Hunter River No. 2 (Newcstl).	21.00–13.30(Sat.14.00)
2NC**	1230	2	Hunter River No. 1 (Newcstl.)	20.00(Sun.20.30)–13.00
2LG**	1570	0.2	Lithgow	20.00(Sun.20.30)–13.30(Sat.14.00)
Victoria				
3WV**	580	10	Western (Dooen)	20.00(Sun.20.30)–13.30(Sat.14.00)
3AR*	620	10	Melbourne	21.00–13.30(Sat.14.00)
3LO*	770	10	Melbourne	20.00(Sun.20.30)–13.00
3GI**	830	7	Gippsland (Sale)	20.00(Sun.20.30)–13.30(Sat.14.00)
3WL**	1570	0.2	Warrnambool	20.00(Sun.20.30)–13.30(Sat.14.00)
Queensland				
4QL**	540	10	Longreach	20.00(Sun.20.30)–13.30 (Sat.14.00)
4QR*	590	10	Brisbane	20.00(Sun.20.30)–13.00
4QN**	630	7	North (Townsville)	20.00(Sun.20.30)–13.30(Sat.14.00)
4AT**	680	0.5	Atherton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QA**	720	2	Mackay	20.00(Sun.20.30)–13.30(Sat.14.00)
4QS**	750	10	Darling Downs (Dalby)	20.00(Sun.20.30)–13.30(Sat.14.00)
4QG*	790	10	Brisbane	21.00–13.30(Sat.14.00)
4RK**	840	2	Rockhampton	20.00(Sun.20.30)–13.30(Sat.14.00)
4QB**	910	2	Wide Bay (Pialba)	20.00(Sun.20.30)–13.30(Sat.14.00)
4QY**	940	2	Cairns	20.00(Sun.20.30)–13.30(Sat.14.00)
4QM**	1570	0.2	Gympie	20.00(Sun.20.30)–13.30(Sat.14.00)
4SO**	1590	0.2	Southport	20.00(Sun.20.30)–13.30(Sat.14.00)
South Australia				
5CK**	640	10	North (Crystal Brook)	20.30(Sun.21.00)–14.00(Sat.14.30)
5CL*	730	5	Adelaide	21.30–14.00(Sat.14.30)
5AN*	890	2	Adelaide	20.30(Sun.21.00)–14.00(Sun.13.30)
5LN**	1530	0.2	Port Lincoln	20.30(Sun.21.00)–14.00(Sat.14.30)
5WM**	1580		Woomera Rocket Range.	
Western Australia				
6WA**	560	10	South West (Wagin)	22.00(Sun.22.30)–15.30(Sat.16.00)
6WF*	690	5	Perth	23.00–15.30(Sat.16.00)
6GF**	720	2	Goldfields (Kalgoorlie)	22.00(Sun.22.30)–15.30(Sat.16.00)
6WN*	810	10	Perth	22.00(Sun.22.30)–15.00
6GN**	830	2	Geraldton	22.00(Sun.22.30)–15.30(Sat.16.00)
Tasmania				
7QN**	540	0.2	Queenstown	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZL*	600	2	Hobart	21.00–13.30(Sat.14.00)
7NT**	710	7	North (Kelso)	20.00(Sun.20.30)–13.30(Sat.14.00)
7ZR*	1160	0.5	Hobart	20.00(Sun.20.30)–13.00
Northern Territory				
5DR**	1500	0.2	Darwin	20.30(Sun.21.00)–14.00(Sat.14.30)
5AL**	1530	0.05	Alice Springs	20.30(Sun.21.00)–14.00(Sat.14.30)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CHINA
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PALAU
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BUKIT-
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MATRA
JESS ELLIS
MALAYA
PENANG
KUALA-LUMPUR
MALACCA
SINGAPORE
SARAWAK
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PADANG
PALEMBANG
JAVA
SEMARANG
SURABAJA
DJAKARTA
BANDUNG
SURAKARTA
JOGJAKARTA – MADIUN
DJEMBER
DEN-
PASAR
BALI
TIMOR
DARWIN
Indian
Ocean
NEW
GUINEA
DUTCH
P. MORESBY
RABAUL
SOLOMON
QUEEN
LUISIADE
ARCH
NORTH
HERN
TERRI
TORY
QUEENS
LAND
CAIRNS
ATHERTON
AUSTRALIA
WESTERN
AUSTRALIA
SPRINGS
LONGREACH
ROCKHAMPTON
GYMPIE
BRISBANE
SOUTH PORT
DARL
DOWNS
SOUTH
AUSTRALIA
NEW SOUTH WALES
BROKEN HILL
LITHGOW
HUNTER
SYDNEY
RIVE-
RINA
CANBERRA
GERALD-
TON
PERTH
P LINCOLN
ADELAIDE
GIPPSLAND
MELBOURNE
LYNDHURST-CHEPPARTON
TASMANIA
HOBART
VICTORIA
NEW ZEALAND
AUCKLAND
NORTH
NAPIER
WELLINGTON
CHRISTCHURCH
SOUTH
DUNEDIN
INVERCARGILL
Tasman Sea
NEW HEBRIDE
(BR FR)
NEW
CALEDONIA
(FR)
LOYALTY
FIJI I'S
SUVA
TONGA
SAMOA W. IS.
TUTUILA
SUWARROW
PALMERSTON
SAVAGE
RAROTONGA
COOK IS.
SOCIETY
TAHITI
TUBUAI
TUAMOTO
PAUMOTO
PITCAIRN IS.
DUCIE
KAPA
MARQUESAS
CAROLINE
FLINT
VOSTOK
MANIHIKI
VICTORIA
PENRHYN
SUWARROW
JARVIS
MALDEN
STARBUCK
PHOENIX
ENDERBURY
SKUS
TOKELAU
SAMOA
RAROTONGA
FUTUNA
RENNELL
LORD HOWE
KERMADEC
North Pacific
Ocean
South Pacific Ocean
BONIN
VOLCANO
MARIANA
WAKE
MIDWAY I.S
(US)
NECKER
HONOLULU
PEARL HARBOR
HAWAII
(US)
JOHNSTON
GUAM (US)
CAROLINES
YAP
TRUK
PONAPE
KUSAIE
BIRINI
ENIWETOK
KWAJALEIN
MARSHALL
GILBERT IS
BAKER
HOWLAND
WHASINGTON
PALMYRA
FANNING
& CHRISTMAS
N
INDONESIA
PACIFIC
Nr. 1

Australia

Papua 9PA 1250 kc/s 0.5 kW Port Moresby.
Mo.–Fri.: 20.45–23.30, 01.00–04.45, 06.00–12.45. Sat. 20.45–22.30, 02.00–13.00. Sun. 21.45–01.00, 02.00–04.00, 06.00–12.00.

FM SERVICE (Experimental)

Melbourne	FM	91.1 mc/s	2 kW	D. 01.00–12.30
Sydney	FM	92.1	– 2 –	D. 01.00–12.30
Adelaide	FM	97.3	– 0.25 kW	D. 01.30–13.00.

DOMESTIC SHORT WAVE SERVICE

ADDRESSES: (Australian Broadcasting Commission=ABC): Sydney: A.B.C. Box 487, G.P.O. Melbourne: A.B.C., G.P.O. Brisbane: A.B.C., Box 293 E, G.P.O. Perth: A.B.C., Box 190 D, G.P.O. Port Moresby: A.B.C., Port Moresby.

STATIONS: VLI (2 kW) Sydney; VLH (10 kW) & VLR (5 kW)= Melbourne; VLQ (10 kW) & VLM (10 kW)=Brisbane; VLW (2 kW) & VLX (10 kW)=Perth; VLT (2 kW)=Port Moresby.

Calll	kc/s	m	
VLI6	6090	49.26	20.00(Sun. 20.30)–13.30(Sat. 14.00)
VLH11	11880	25.25	20.00(Sun. 20.30)–23.15(Sat. 22.45)
VLH15	15230	19.70	23.30(Sat. 23.00)–08.15.
VLH9	9680	30.99	08.30–13.30(Sat. 14.00)
VLR6	6150	48.78	20.00(Sun. 20.30)–22.15(Sat. 22.30) 08.30–13.00.
VLR9	9680	30.99	22.30(Sat. 22.45)–08.30
VLQ9	9660	31.06	20.00(Sun. 20.30)–13.30(Sat. 14.00, Sun. 13.00)
VLM4	4920	60.98	20.00(Sun. 20.30)–13.30(Sat. 14.00)
VLW9	9610	31.22	22.00(Sun. 22.30)–02.15, 10.15–15.30(Sat. 16.00)
VLW11	11840	25.34	02.30–10.00
VLX4	4897.5	61.25	22.00(Sun. 22.30)–02.15, 10.15–15.30(Sat. 16.00)
VLX9	9610	31.22	02.30–10.00
VLT6	6130	48.94	Mo.–Fri.: 20.45–23.30, 01.00–04.45, 06.00–12.45. Sat.: 20.45–22.30, 02.00–13.00. Sun.: 21.45–01.00, 02.00–04.00, 06.00–12.00.

News: 20.45, 21.45(Sun. 22.45), 02.30, 03.30, 06.00 (BBC & Australian), 09.00, 11.00, 13.00 (BBC & Australian).

NOTE: Although times are GMT, Calendar days apply to the Eastern States of Australia only.

OVERSEAS SERVICE (R. AUSTRALIA)

STATIONS: VLA, VLB=100 kW; VLC=50 kW; VLG=10 kW.
VLA, VLB, VLC=Shepparton. VLG=Lyndhurst.

kc/s	m	kc/s	m	kc/s	m
VLA7, VLB7,		VLA11, VLB11,		15210	19.72
VLC7, VLG7		VLC11, VLG11		15220	19.71
7220	41.55	11710	25.62	15230	19.70
7240	41.44	11740	25.55	15240	19.68
7280	41.21	11760	25.51	15315	19.59
VLA9, VLB9		11770	25.49	15320	19.59
VLC9, VLG9		11810	25.40	VLA17, VLB17,	
9500	31.58	11840	25.34	VLC17, VLG17	
9510	31.55	11850	25.32	17790	16.86
9520	31.51	11870	25.27	17800	16.85
9540	31.45	11880	25.25	17840	16.82
9560	31.38	11900	25.21	VLA21, VLB21,	
9580	31.32	VLA15, VLB15,		VLC21	
9615	31.20	VLC15, VLG15		21540	13.93
9650	31.09	15160	19.79	21600	13.89
9680	30.99	15200	19.74	21680	13.84

Languages Service (beamed areas)	Hours of transmission	Period and m.b. 1)	m.b. 2)	m.b. 3)	m.b. 4)
ENGLISH:					
S. og S.E.Asia	23.00–06.45	16	16	16	16
	02.55–15.00 (Sat., Sun.23.15–15.00)	19	19	19	19
	06.45–08.15	19	19	19	19
	08.15–08.45	19	–	19	19
	08.28–10.00	–	41	–	–
	10.15–17.30	25	25	25	–
	10.15–11.45	41	41	41	25
	11.00–13.55	19	25	19	19
	14.00–15.00	41	41	41	41
	14.00–17.30	31	31	31	31, 25
	16.30–17.30	41	41	41	41
Forces in Korea, Japan N., Pacific Is.	02.55–04.15 W. 01.56–07.30 Sat. 01.45–04.15 Sun.	16	16	16	16
	08.28–10.00	25	25	25	25
	08.59–13.55	31	31	31	31
	20.59–23.00	19	19	19	19
New Zealand, South & Mid-Pacific Is.	04.30–08.15 07.45–08.15 Sat.	25	31	31	25
	06.00–08.50	31	41	41	31
	08.15–08.50	–	–	–	31
	06.59–09.45	25	25	25	25
	20.00–23.00	19–25	19–25	19–25	16–25
British Isles & Europe	06.00–08.15	–	31	31	–
	06.45–08.15	25–31	31–41	31–41	–
	07.45–08.50	–	–	–	31, 25
N. America (E. Coast)	12.00–13.45	31	31	31	31
N. America (W. Coast)	02.55–04.15	19	19or25	19	19or25
	15.15–16.15	31	31	31	31
Africa	04.30–05.45	19	25	19	19
FRENCH:					
Indo-China	06.00–06.45	19	19	19	19
Tahiti & Europe	06.00–06.45	31	41	31	31
New Caledonia	07.30–08.30	25	25	25	25
INDONESIAN:					
Indonesia	10.00–11.00	19–41	25–41	25–41	16–19
THAI:					
Thailand	12.00–13.00 (Fridays)	25	25	25	19

Period: 1) March–April. 2) May–June–July–August. 3) September–October. 4) November–December–January–February.

FIXED PROGRAMMES: English:

NEWS: 03.00, 03.45, 04.00, 05.15, 06.00, 06.45 period 2, 07.30 periods 1 & 3, 08.30 period 4, 09.00, 09.25 (dictation), 09.45 (C.B.C. Forces N.), 11.00, 12.15, 12.30 (New Zealand Forces N.), 13.00, 14.30, 15.30, 17.00, 20.30, 21.45, 22.45.

WEATHERREP.: Official weather reports are not broadcast in the Overseas Service, however, the state of Melbourne weather is given at the start of all English language transmissions. – TIME SIGN.: Every hour from 20.00–17.00 inclusive.

COMMENTARY: (Behind the N.): Wed.: 04.00, 05.00, 06.05 period 2, 06.50 period 1 & 3, 08.15 period 4, 11.30, 13.00, 14.15, 15.50.

REQUEST PROGR.: **Music While You Work:** Mo.–Fri. 05.30. – **As You Like It:** 06.47, 09.30. – **Listener's Choice:** Sun.: 11.15, 14.40. – **Music by Request:** daily 16.15. – **My Song Goes Round The World:** Sat.: 11.15, 12.25, 16.30, 21.15. Sun.: 01.45, 03.30, 04.45. Mo.: 06.15 period 2, 07.00 periods 1 & 3, 08.00 period 4.

RELIGIOUS: **Daily Devotion:** 24.00. – **Readings from the Bible:** Tues.–Sun. 22.10. – **In Quires and Places Where They Sing:** Sun.: 06.15 period 2, 07.00 periods 1 & 3, 08.00 period 4, 11.45, 12.25, 15.40, Mon. 03.00 – **Prelude:** Sun. 17.12. – **Community Hymn Singing:** Sun. 08.30, Thurs. 06.45.

NATIONAL MUSIC: **Australian Artists Perform:** Mo. 12.01, Tues.: 03.15, 05.00, 06.15 period 2, 07.00 periods 1 & 3, 08.00 period 4, Thurs.: 03.15, 04.32, 07.00, 12.45, Fri.: 03.15, 05.00, 12.01, 15.45. Sat. 07.00 periods 1, 2, 3, 08.00 period 4. – **Young Australia Recitals:** Mo.–Fri. 03.30, Sun.: 01.15, 03.30, 12.01, 16.30, 21.00, Wed.: 06.15 period 2, 07.45 periods 1 & 3.

MAILBAG: **Pacific:** Sun.: 11.30, 14.02 and 16.45. – **North American:** Sun.: 03.30, 13.00. – **British Isles & European:** 06.30 period 2, 07.15 periods 1 & 3, 08.15 period 4.

DX PROGRAMMES: **Australian DX-ers Calling:** Sun.: 04.00, 05.30, 07.00 periods 1, 2, 3, 08.40 period 4, 13.30.

SPORT: **Sporting Descriptions:** Sat. 02.45–07.30. – **Sporting Roundup:** Mon.–Thurs. 08.30–08.45, Fri.–Sat. 08.30–08.59. – **Sporting Digest:** Wed.: 06.30 period 2, 08.00 periods 1 & 3, 07.50 period 4, 10.45, 13.32, 15.17, 20.45, Thurs.: 04.00, 05.30. – **Background to Australian Sport:** Fri.: 03.20, 04.00, 06.30 period 2, 07.50 period 1 & 3, 08.15 period 4, 13.32, 16.00, 20.45. – **Sports Page:** Fri. 10.45. – **Weekend Highlights:** Mon.: 07.00 period 2, 07.45 periods 1 & 3, 08.45 period 4. – **Boxing Descriptions:** Mon. 11.45. – **Wrestling Descriptions:** Sat. April–November 11.45.

BOURSE: Once each quarter in the talk "Economic Review" transmitted on Thurs. at: 06.50, 11.30, 12.02, 15.17, 20.48 and Fri. at 00.30.

PROGRAMME PREVIEW: A programme summary is given at the start of each daily transmission. A preview of tomorrow's programme is given 3 minutes before the close of each daily transmission.

FIXED PROGRAMMES: French:
News: 06.15, 07.45. – **Commentary:** Wed., Thurs.: 06.30, 08.15. – **Music by Request:** Sat.: 06.02, 07.55. – **Religious:** Sun. 07.55. – **Mailbag:** Sun.: 06.30, 08.15.

FIXED PROGRAMMES: Indonesian:
News: 10.30. – **Commentary:** Thurs. 10.45. – **Mailbag:** Sun. 10.42. – **Listeners Choice:** Sun. 10.02. – **THAI: News:** 12.30 (Fri. only).

ANNOUNCEMENTS: "This is Radio Australia Calling" or "This is Radio Australia transmitting the Overseas Service of the Australian Broadcasting Commission".

TUNING AND INTERVAL-SIGNAL: Music box playing "Waltzing Mathilda" for five minutes preceding transmissions. Transmissions commence with clock chimes and the laugh of the Kookaburra. Gongs are used as programme cues only. "Waltzing Mathilda" in March tempo precedes and concludes all New's Bulletins. Indonesian transmissions open with "Waltzing Mathilda" played on piano-accordian with instrument ensemble. Thai transmissions open with "The People's Song" and conclude with the Thai National Anthem.

VERIFICATION by QSL-card. A 20 page Programme Guide is published quarterly and issued free of charge.

PRIVATELY OWNED COMMERCIAL BROADCASTING STATIONS
in operation on 31st August, 1954.

2CH is controlled by the New South Wales Council of Churches and 2S by the Roman Catholic Church.

D = Daylight Power. N = Night Power.

AUSTRALIAN CAPITAL TERRITORY

2CA	Canberra	1050	2

NEW SOUTH WALES*) (Sydney)

2CH	1170	1	– 2SM	1270	1
2GB	870	1	– 2UE	950	1
2KY	1020	1	– 2UW	1110	1

COUNTRY

2AD	Armidale	1130	2/1
2AY	Albury	1490	2
2BE	Bega	1480	1
2BH	Broken Hill	660	0.2
2BS	Bathurst	1500	2 D 1 N
2NX	Bolwarra	1360	2
2DU	Dubbo	1250	2
2GF	Grafton	1210	2/1
2GN	Goulburn	1380	2
2GZ	Orange	990	2
2HD	Newcastle	1140	2
2NM	Muswellbrook	1460	0.5
2KA	Katoomba	780	2 D 1 N
2KM	Kempsey	980	2 D 1 N
2KO	Newcastle	1410	2
2LF	Young	1340	2
2LM	Lismore	900	2 D 1 N
2LT	Lithgow	1370	0.5
2MG	Mudgee	1450	0.5
2MO	Gunnedah	1080	1
2MW	Murwillumb.	1440	2 D 1 N
2NZ	Inverell	1190	2
2PK	Parkes	1400	0.5
2QN	Deniliquin	1520	2
2RG	Griffith	1070	2 D 1 N
2TM	Tamworth	1300	2
2WG	Wagga	1150	2
2WL	Wollongong	1430	2
2XL	Cooma	920	1
2RE	Taree	1560	2 D 0.5N

VICTORIA*) (Melbourne)

3AK	1500	0.5	– 3KZ	1180	0.6
3AW	1280	0.6	– 3UZ	930	0.6
3DB	1030	0.6	– 3XY	1420	0.6

VICTORIA Country.

3BA	Ballarat	1320	1
3BO	Bendigo	960	1
3CS	Colac	1130	1
3CV	Maryborough	1440	1
3GL	Geelong	1350	1
3HA	Hamilton	1000	2
3LK	Lubeck	1090	2
3MA	Mildura	1470	2
3SH	Swan Hill	1330	2
3SR	Shepparton	1260	2
3TR	Sale	1240	2
3UL	Warragul	880	1
3YB	Warrnambool	1210	1
3NE	Wangaratta	1600	2/1

*) Metropolitan stations.

QUEENSLAND*) (Brisbane)

4BC	1120	2	– 4BK	1290	2
4BH	1390	2	– 4BQ	690	2

QUEENSLAND Country.

4AK	Oakey	1220	2
4AY	Ayr	960	2 D 1 N
4BU	Bundaberg	1330	2 D 1 N
4CA	Cairns	1010	1
4GR	Toowoomba	860	2
4GY	Gympie	1350	2 D 0.5N
4IP	Ipswich	1010	1
4LG	Longreach	1100	2
4MB	Maryborough	1160	2
4MK	Mackay	1380	2
4RO	Rockhampton	1000	2
4SB	Kingaroy	1060	2
4TO	Townsville	780	2 D 1 N
4VL	Charleville	920	1
4WK	Warwick	880	1
4ZR	Roma	1480	1

S. AUSTRALIA*) (Adelaide)

5AD	1310	2	– 5KA	1200	2
5DN	970	2	–		

S. AUSTRALIA Country.

5AU	Port August	1400	0.5
5MU	Murr. Bridge	1460	0.5
5PL	Crystal Brook	1040	2
5RM	Renmark	800	2
5SE	M. Gambier	1370	0.5

W. AUSTRALIA*) (Perth)

6IX	1240	2	– 6PM	1130	2
6KY	1320	2	– 6PR	880	2

W. AUSTRALIA Country.

6AM	Northam	980	2
6CI	Collie	1340	2
6GE	Geraldton	1010	2
6KG	Kalgoorlie	1210	2
6MD	Merredin	1100	2
6NA	Narrogin	920	2
6TZ	Bunbury	960	2
6WB	Katanning	1070	2
6BY	Bridgetown	900	2

TASMANIA*) (Hobart)

7HO	860	2	– 7HT	1080	2

TASMANIA Country.

7AD	Devonport	900	0.5
7BU	Burnie	560	0.5
7DY	Derby	1450	0.5
7EX	Launceston	1010	2
7LA	Launceston	1100	2
7QT	Queenstown	540	0.5

CANTON ISLANDS (British)

CANTON BROADCASTING STATION

Operated for the US Civil Aeronautics and Pan American Airways for local entertainment.

KIBE 1248 kc/s 241 m 0.05 kW.

COOK ISLANDS (British)

RADIO RAROTONGA (Govt.)

ADDRESS: Radio Department, Cook Island Administration, Rarotonga.

LEADING PERSONALITY: Dir. Tec.: D. C. Cunnold. Dir. Progr.: P. F. Henderson.

Home Service: ZL1ZA 6180 kc/s 0.5 kW Wed., Fri. 01.00–02.00, Thurs. 04.30–05.00.

Programmes supplied by the Cook Island Further Education Department for school broadcasts. – Station still in experimental stage, transmitters used are normal morse communication ones, adapted for broadcasting, and use and schedule depends on their availability.

ENIWETOK

ARMED FORCES RADIO SCE. (U.S.A. Military): AFRS Eniwetok M.I.: 1385 kc/s 250 kW.

FIJI

Operated by Fiji Broadcasting Commission. Commercial advertising acceptable in all three languages.

ADDRESS: Fiji Broadcasting Commission, P.O. Box 334, Suva. Cable: "Broadcom".

LEADING PERSONALITIES: Chairman: R. L. Munro. Manager: K. G. Collins.

HOME SERVICE in English, Fijian, Hindustani:
Mo.–Fri. 18.30–10.30, Sat. 18.30–11.00, Sun. 20.00–10.30.
VRH 930 kc/s 322 m 2 kW – VRH4 3980 kc/s 75.38 m 0.5 kW
Frequencies Allocated: 3980, 5980, 5995, 6005, 7195, 11895, 15160 kc/s.
VERIFICATION by QSL-card.
FUTURE PLANS: Two further transmitters medium wave band contemplated for 1955; one 840 kc/s VHR2.

GILBERT and ELLICE ISLANDS (British Colony)

TAWARA RADIO (Govt.) ADDRESS: Chief Wireless Officer Tawara.

HOME SERVICE in Gilbertese:

VTW	844 kc/s	355 m	0.05 kW	D. 06.00–10.00*
VSZ10	6050 kc/s	49.59 m	0.5 kW	Sun. 04.30–05.00**

*) Mainly recordings. **) News, talks, local music.
ANNOUNCEMENT: Mainly in Gilbertese. Identification in English only. – VERIFICATION by letter. Postage not required.

GUAM

RADIO GUAM (Pr. Comm.)

ADDRESS: P.O. Box 68, Agana, Guam, Marianas Islands. Cable: "Kuam".
LEADING PERSONALITIES: Pres.: Harry Engel. Man.: Richard Maguire. Dir. Tec.: Donald C. Brown. Dir. N.: John Barton.
HOME SERVICE: in English, Tagalog, Chamorro.
610 kc/s 492 m 1 kW 19.30–14.00. N.: every hour.
VERIFICATION by letter. No postage required.

HAWAII

VOICE OF AMERICA RELAY BASE (Govt.)

ADDRESS: Voice of America, P.O. Box 3740, Honolulu, Hawaii, or Voice of America, Washington 25, D.C., USA.
STATIONS: Honolulu, 100 kW.
6195 kc/s 48.43 m 9650 kc/s 31.09 m 11790 kc/s 25.45 m
DAILY PROGRAMMES: 09.00–15.30 (See USA).
ANNOUNCEMENT: "This is Honolulu, relaying the Voice of America".
VERIFICATION by QSL-card. No return postage required.

PRIVATE STATIONS, Commercial:

kc/s		kW	
550	KMVI	1	Mausi Publ. Co., Wasiluku
590	KGMB	5	Hawaiian Br. System Honolulu
630	KPOA	5	R. Hawaii, Honolulu

kc/s		kW	
690	KULA	10	Pacific Frontier Br. Co., Honolulu
760	KGU	2.5	Advert. Publ. Co., Honolulu
810	KIKI	0.25	Kiki, Honolulu
850	KILA	1	Island Br. Co., Hilo
920	KAHU	1	Rural Broadc. Co., Waipalru
970	KHBC	1	Hawaiian Br. Sy., Hilo
1110	KIPA	1	Big Island Br. Co., Hilo
1150	KANI	1	Windward Br. Co., Kaneohe
1380	KHON	5	Aloha Br. Co., Honolulu
1490	KTOH	0.25	Garden Isl. Publ. Co., Lihue

RADIO STATION KTOH

ADDRESS: Box 1748 Lihue Kauai, Hawaii.

LEADING PERSONALITIES: Man.: M. Sebastian. Progr. Man.: R. Sasaki. Chief Eng.: K. Nose.

DAILY PROGR. in English: 15.30–08.00. News on the hour.

MARSHALL ISLANDS

ARMED FORCES RADIO SCE. (U.S.A. Navy):
WXLG Kwajalein 1440 kc/s 0.25 kW.

NEW CALEDONIA

RADIO NOUMEA (Govt.)

ADDRESS: "La Voix de la France dans le Pacifique", Service de l'Information, Noumea.

STATIONS: Noumea.
1500 kc/s 200 m 0.5 kW – 6035 kc/s 49.71 m 1 kW
3375 – 88.89 – 1 –

HOME SERVICE in French: 00.00–02.00, 07.00–10.30.
News: 01.00, 01.55, 08.30, 10.25.
ANNOUNCEMENT: "Noumea, La Voix de la France dans le Pacifique". VERIFICATION by QSL-card.

NEW GUINEA (Dutch)

RADIO OMROEP NIEUW GUINEA TE HOLLANDIA (Govt.)

A division of the Government Information Service for the benefit of Dutch and native inhabitants of the western half of the island.
ADDRESS: R.O.N.G. at Hollandia, Netherlands New Guinea.
HOME SERVICE in Dutch: 5045 kc/s 59.46 m 0.35 kW (National). Mo.–Fri. 09.30–12.00 (Thurs. 09.00–12.00), Sat. 03.00–04.00, 09.30–12.30. Sun.: 02.00–04.00, 09.30–12.00.
ANNOUNCEMENT: "Hier Radio Omroep Nieuw-Guinea te Hollandia".
INTERVAL-SIGNAL: "Wij leven vrij, wij leven blij": sol do sol mi do mi sol sol sol. VERIFICATION by QSL-card.

NEW HEBRIDES
(Anglo-French Condominium)

No broadcasting service, but messages and announcements are broadcast occasionally over the Condominium Teleradio Network: 6900 kc/s 43.5 m 0.015 kW.

NEW ZEALAND

RADIO NEW ZEALAND (Govt.)

ADDRESS: P.O. Box 2396, Wellington. Cable: Natbroadcast.
LEADING PERSONALITIES: Dir. Gen.: Wm. Yates. Dir. Tec.: W. L. Harrison. Supervisor of Progr.: U. del H. Williams.

HOME SERVICE in English:

		kc/s	m	kW	
Wellington	2YA	570	526	60	17.00–11.20
Wellington	2YC	660	455	60	06.00–11.00
Christchurch	3YA	690	434	10	18.00–11.20
Invercargill	4YZ	720	416	5	18.00–11.20
Auckland	1YA	760	395	10	18.00–11.20
Dunedin	4YA	780	384	10	18.00–11.20
Rotorua	1YZ	800	375	10	18.00–11.20
Napier	2YZ	860	349	5	18.00–11.20
Auckland	1YC	880	341	10	05.00–11.00
Dunedin	4YC	900	333	2	05.00–11.00
Greymouth	3YZ	920	326	10	18.00–11.20
Palmerston N	2ZA	940	319	2	19.00–10.30
Christchurch	3YC	960	312	10	05.00–11.00
Whangarei	1XN	970	309	2	19.00–10.30
Wellington	2ZB	980	306	10	18.00–12.00
Gisborne	2XG	1010	297	2	19.00–10.30
Dunedin	4XB	1040	288	10	18.00–12.00
Auckland	1ZB	1070	280	10	18.00–12.00
Christchurch	3ZB	1100	273	10	18.00–12.00
Wellington	2YD	1130	265	0.5	07.00–10.30
Timaru	3XC	1160	258	2	19.00–10.30
Gisborne	2XM	1180	254	0.1	19.00–10.30
Wanganui	2XA	1200	250	2	19.00–10.30
Auckland	1YD	1250	240	0.75	05.00–10.00
Hamilton	1XH	1310	229	2	19.00–10.30
Nelson	2XN	1340	224	2	19.00–10.30
New Plymouth	2XP	1370	219	2	19.00–10.30
Wellington	2YX	1400	214	1	07.30–10.30
Dunedin	4XD	1430	210	0.1	06.00–10.30 Wed. Thus.

News: D.: 18.00, 19.00, 20.00 (BBC) 09.02. – Weatherrep.: English: 09.00, 19.15, 21.00, 00.30. – Religious Progr.: W. 22.10. Sun. 23.00. – Request Progr.: Sun. 00.00–02.00 (ZB's only).

FOREIGN SERVICE: 7.5 kW.

	kc/s	m		kc/s	m		kc/s	m
ZL7	6080	49.34	ZL8	9620	31.19	ZL5	17770	16.88
ZL11	6130	48.94	ZL3	11780	25.47	ZL14	17820	16.84
ZL12	7220	41.55	ZL9	11810	25.40	ZL15	21480	13.97
ZL13	7290	41.15	ZL19	11830	25.36	ZL16	21580	13.90
ZL18	9520	31.51	ZL10	15220	19.71	ZL6	25800	11.63
ZL2	9540	31.45	ZL4	15280	19.63	ZL17	26000	11.54

Two of the frequencies are used simultaneously, and as the programme service is intended primarily for Australia and the Pacific islands the present aerials are beamed in those two directions.

To Australia: 20.00–06.40 on 11830 kc/s, 06.55–close down on 9520 kc/s.

To Pacific Isl.: 17.00–19.30 on 6080 kc/s, 19.45–06.40 on 11780 kc/s, 06.55–close down 6080 kc/s. Close down on weekdays 10.45, on Sat. 11.20, on Sun. 10.00.

N. Zealand News: 08.30, 10.30.

National Music: Thurs. 09.00. Sun. 07.45 (English, Maori).

DX-programmes: First Tues. in each month 09.20. – Mailbag: Fri. 09.15. – Progr. Preview: D. 07.02. – Time-Sig.: D. 07.00. – N.: W. 08.30, 10.30, Mo., Wed. 09.15, Sat. 09.30 (N.Z.-News).

ANNOUNCEMENT: "This is New Zealand Calling".

INTERVAL-SIGNAL: Call of the native bird – The Bell Bird.

VERIFICATION by QSL-card. Return postage not required.

PHILIPPINES

BACOLOD BROADCASTING CORPORATION
(Priv. Comm.)

ADDRESS: Lacson Street, Bacolod City, Negros Occidental.

LEADING PERSONALITIES: Pres.: Mario Lizares. Vice-Pres.: F. R. del Rosario. Executive Secretary and Man.: C. R. del Rosario. Transmitter and Studio Supervisor: F. R. del Rosario. Tec. Asst. V. R. del Rosario.

HOME SERVICE: The Voice of Bacolod in Visayan Dialect and English: DYBR 1120 kc/s 267.9 m 1 kW: 21.58–14.00.
N.: English: Mo. 22.45, D. 02.30, D. 04.00. Visayan: D. 10.45. – "America Calling the Philippines". D. 05.00–05.30.

ANNOUNCEMENT: English: "This is the Voice of Bacolod".

VERIFICATION by QSL-card or letter.

ALTO BROADCASTING SYSTEM (Pr. Comm.)

ADDRESS: 5th Floor, Republic Super Market, Manila. –
LEADING PERSONALITY: Dir.: M. Lindenberg.

HOME SERVICE: Manila: 21.00–16.00. – N. in English: 22.45, 04.20, 09.45, 15.00.
DZBC 1000 kc/s 300 m 1 kW DZI2 9550 kc/s 31.41 m 0.3 kW
DZAQ 1340 kc/s 224 m 5 kW

THE REPUBLIC BROADCASTING SYSTEM (Comm.)

ADDRESS: Radio Station DZBB, 4th Floor, Calvo Building, Escolta, Manila. Cable: "Bobstew".

LEADING PERSONALITIES: Pres. and Gen. Man.: Robert L. Stewart. Traffic and in-charge of operations: George E. Viduya. Dir. Tec.: Martin Samia.

HOME SERVICE in English, Chinese, Tagalog.
DZBB 580 kc/s 517.2 m 10 kW: 21.00–18.00.
English: W.: 21.00–21.15, 22.00–22.15, 00.15–03.30, 05.30–06.30, 08.45–09.15, 12.30–13.00 (N.), 13.30–14.00 (N.), 14.30–18.00 (Tues., Thurs., Sat. 12.30–18.00). Sun.: 21.00–21.15, 21.30–21.45, 22.00–23.30, 03.30–04.00, 05.30–07.30, 09.30–10.00, 10.30–11.00, 13.10–18.00. – Chinese: W.: 04.00–05.30. Sun. 00.00–01.30. – Other Progr. in Tagalog: N. in Tagalog: 21.15.

ANNOUNCEMENT: English: "This is RBS... The Republic Broadcasting System". – VERIFICATION by letter.

FAR EAST BROADCASTING COMPANY INC.

Non-Commercial Missionary Broadcasting Station.

ADDRESS: Box 2041, Manila P.I. Cable: "Febcom".

LEADING PERSONALITIES: Pres.: J. C. Broger. Vice-Pres.: R. H. Bowman. Executive Secr.: W. J. Roberts. Transmitter Supervisor: D. C. Smith. Studio Supervisor: R. Kellum. Progr. Supervisor: Miss I. Adolphson.

Stations: "The Call of the Orient".

Calll.	kc/s	m	kW	Calll.	kc/s	m	kW
DZAS	680	441.2	6	DZH7	9730	30.83	10
DZFE	1030	291.5	2	DZH9	11855 -	25.31	2
DZB2	3345	89.68	2	DZH8	15300-	19.60	2
DZH6	6030	49.75	2	DZI6	17805	16.85	1.5

HOME SERVICE (Philippine Service) in Tagalog and English: W.: 21.00–06.00, 08.00–15.00 on 680, 3345, 6030 kc/s.
N.: Tagalog: 22.30. English: 00.00, 02.00, 04.00, 06.00, 08.05, 10.00, 14.00.
On 1030 kc/s: 10.00–14.00 (This station is entirely a highclass music station).

OVERSEAS SERVICE to Asian countries:
W.: 21.00–06.45, 08.00–17.00. Sun.: 21.00–17.00 on 9730, 11855, 15300, 17805 kc/s. D.: 15.00–17.00 on 3345, 6030 kc/s.

Weekdays:

21.00 English	04.30 Vietnamese	13.15 Burmese*)
21.30 Japanese	05.00 English	Karen**)
22.30 Russian	06.00 Karen	14.00 English
22.45 Indonesian	06.30 Burmese	14.15 Tibetan
23.00 Mandarin	08.00 English	14.30 Mandarin
23.30 Vietnamese	09.30 Amoy	15.00 English
23.45 English	10.00 English	15.30 Marathi*)
00.45 Thai	10.15 Indonesian	Kanarese**)
01.00 English]	10.30 English	15.45 Guiarati*)
01.30 Korean	11.00 Japanese	Malayal.**)
02.00 Cantonese	11.30 Vietnamese	16.00 Hindi*)
02.30 Mandarin	11.45 Lao*)	Tamil**)
03.00 Indonesian	Cambodian**)	16.15 Bengali*)
03.30 Japanese	12.00 English	Telugu**)
04.00 English	13.00 Thai	16.30 Russian

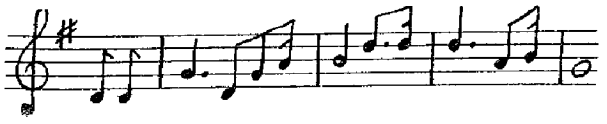
*) Mo., Wed., Fri. **) Tues., Thurs., Sat.

Sundays:

21.00 English	23.30 Vietnamese	11.00 Japanese
21.30 Japanese	05.00 Japanese	11.30 Cantonese
22.30 English	05.30 English	12.00 English
23.00 Mandarin	10.30 Amoy	16.30 Russian

ANNOUNCEMENT: "This is the Call of the Orient" or "This is the Far East Broadcasting Company, Manila". Station announcements in English are given every half-hour (Calll., kc/s and the time in the Philippines).

INTERVAL-SIGNAL: For Home and Foreign Sce.: On the hour only.



VERIFICATION by QSL-card.

MANILA BROADCASTING COMPANY (Pr. Comm.)

ADDRESS: 7th Floor, Insular Life Building, Manila.

LEADING PERSONALITIES: Pres.: F. Elizalde. Executive Vice-Pres.: W. J. Dunn. Sales Man.: I. Davis. Dir. Tec.: J. M. Palmer. Secretary for Engineering Dept.: Dolores D. Mendoza. Station Man.: H. D. Bowie Jr.

The following stations are owned by the Manila Broadcasting Company. These stations operate on the same schedule throughout the year. One hour each day is devoted to Chinese language broadcast. The remaining time is devided approximately fifty-fifty between English language and local Philippine dialects. The only exception to the above being that there is one fifteen-minute newscast in Spanish language. In the following listing all s.w. frequencies grouped with a broadcast frequency carry simultaneously the same progr. as the broadcast station.

THE VOICE OF THE PHILIPPINES: Navotas, Rizal: 21.00–15.00.
DZRH 650 kc/s 461.5 m 10 kW Manila
DZH2 9640 – 31.12 – 1 – DZH4 6000 kc/s 50.00 m 1 kW
THE VOICE OF MANILA: 21.00–16.00.
DZMB 760 kc/s 394.7 m 1 kW Manila
DZI7 6080 – 49.34 – 0.3 – Navotas, Rizal

ANNOUNCEMENT: English: "This is MBC, the Manila Broadcasting Company followed by three chimes c, a and f.

VERIFICATION by QSL-card. Return postage required.

PHILIPPINE BROADCASTING CORPORATION (Comm.)

Operated by the Manila Broadcasting Company.

ADDRESS: Ramon Roces Building, 4th Floor, Manila.

LEADING PERSONALITY: Station Man.: Simoun O. Almario.

RADIO PHILIPPINES: 21.00–15.00
DZPI 800 kc/s 375.0 m 10 kW Manila
DZH3 9500 – 31.58 – 1 – Polo, Bulacan.

UNIVERSITY OF SANTO TOMAS

ADDRESS: Catholic University of Santo Tomas, Manila.

HOME SERVICE: 10.00–14.00 in English, Spanish & Tagalog.
DZST 860 kc/s 348.8 m 1 kW
DZH5 9690 – 30.96 – 0.25 –

ANNOUNCEMENT: "This is the Voice of Catholic Philippines, stations DZST and DZH5, Manila".

VERIFICATION by QSL-card and/or letter.

CEBU BROADCASTING COMPANY (Comm.)

Operated by the Manila Broadcasting Company.

ADDRESS: Lim Bonfing Building, Cebu City.

LEADING PERSONALITIES: Station Man.: Roberto Garcia. Dir. Tec.: Miss Alicia Maglaya.

THE VOICE OF CEBU: Cebu-City: 21.00–15.00.
DYRC 600 kc/s 500.0 m 1 kW – DYH2 6140 kc/s 48.86 m 0.5 kW

CEBU CALLING: Cebu-City: 21.30–15.00
DYBU 1250 kc/s 240.0 m 1 kW

ALFRED J. WILLS BROADCASTING (Priv. Comm.)

ADDRESS: Radio Station DXAW, Legaspi St. Davao City.

LEADING PERSONALITY: Dir. Alfred J. Wills.

HOME SERVICE: Davao City: 22.00–24.00, 04.00–06.00, 08.00–14.00
DXAW 1180 kc/s 254.2 m 0.5 kW.

THE PEOPLES STATION (Govt.) owned but maintained by income on commercial programmes and announcements.

ADDRESS: 4th Floor, City Hall, Manila. Cable: DZFM Manila.

LEADING PERSONALITIES: Managing Dir.: F. Trinidad. Progr. Dir.: E. Avelino. Traffic Chief: R. Forbes. Chief of Studios: L. Quintos. Chief Eng.: J. Dy.

HOME SERVICE: D. 21.00–15.00 in English & Tagalog:
DZFM 710 kc/s 422.5 m 10 kW
DUH2 6170 – 48.62 – 1 –
DUH5 11840 – 25.34 – 0.25 –

English:
N.: 21.40–21.45[1]), 23.45–24.00[2]), 04.30–04.45[2]), 04.45–04.55[1]), 12.45–13.00[2]), 14.00–14.15[3]).
Weather rep.: 21.05–21.15, 23.30, 04.30, 08.00–08.15, 14.15–14.30. – **Time-Sign.:** Every hour on the hour and the half hour, occacionally on the 15 and 45 minute marks. – **Religious Progr.:** 08.00–08.30. – **Request Progr.:** 00.30–01.45, 07.15–08.00, 08.15–08.45. – **Progr. Preview:** 02.00–02.15, 08.00–08.15.
Tagalog:
N.: 21.15–21.25 (UN), 21.45–22.00[2]), 05.00–05.15[2]), 07.00–07.10 (UN).
Philippine Music: 10.30–11.00 (or 10.45). – **Request Progr.:** 10.30–11.00 (or 10.45).
[1]) Armed Forces. [2]) Home & Foreign. [3]) Foreign.

VERIFICATION by QSL-card or letter or both. Listeners reports are wanted. Return-postage required.

PHILIPPINE FEDERATION OF CHRISTIAN CHURCHES AND SILLIMAN UNIVERSITY (Educ. and Missionary)

ADDRESS: Dumaguete City, Oriental Negros.

LEADING PERSONALITIES: Dir. Adm.: H. R. Bell. Dir. Progr.: C. Bernardez. Dir. Tec.: Ted Haney.

HOME SERVICE in English and Visayan: D. 22.00–02.00, 09.00–14.00
DYSR 840 kc/s 357.1 m 1 kW. – DYH4 6055 kc/s 49.55 m 0.25 kW
N. in English: 23.15, 24.15, VOA Rebroadcast 00.30–01.00, 09.00, 12.00(Mon.–Sat.), 22.45, 09.45(Sun.). – N. in Visayan: 22.30, 09.45 (Mon.–Sat.).
Religious, Eductional & Cultural Programs in English and Visayan: D.: 24.15–00.30, 10.00–13.15. – **Symphony Music:** D.: 13.15–14.00.

ANNOUNCEMENT: "These are Stations DYSR and DYH4 – with a call from the Philippines for Christian Living and One-World Brotherhood".

VERIFICATION by QSL-card and/or letter.

FUTURE PLANS: Another s.w. transmitter on the tropical band 3277 kc/s, 91.55 m, 0.325 kW, within the next few months. Also further increase in broadcasting hours.

THE MINDANAO COLLEGES BROADC. SYSTEM

ADDRESS: Davao City, Mindanao.

HOME SERVICE in English: 22.00–05.00, 07.00–14.00.
DXMC 900 kc/s 300.0 m 0.3 kW

ANNOUNCEMENT: "This is MCBS, The Mindanao Colleges Broadcasting System. DXMC, The Voice of Davao, broadcasting from the heart of Davao".

VOICE OF AMERICA RELAY BASE, MANILA (Govt.)

ADDRESS: Voice of America, c/o American Embassy, Manila, or Voice of America, Washington 25, D.C., USA.
Medium Wave: Manila-A 920 kc/s 326 m 50 kW: 10.00–17.00.
Short Wave: Manila 7.5/50 kW: 09.00–16.00, 22.00–01.30.

kc/s	m	kc/s	m	kc/s	m	kc/s	m
6125	48.98	9670	31.02	11895	25.22	15245	19.68
9590	31.28	11700	25.64	15105	19.86	15340	19.56

DAILY PROGRAMMES (s.w.):
07.15–08.45: Relay UN – 09.00–15.30: Relay VOA – 22.00–00.30: Relay VOA. – See USA (VOA and UN) for details.

ANNOUNCEMENT: "This is Manila, relaying the Voice of America".

VERIFICATION by QSL-card. No return postage required.

VOICE OF AMERICA RELAY BASE, SAN FERNANDO (Govt.)

ADDRESS: Voice of America, c/o American Embassy, Manila, or Voice of America, Washington 25, D.C., USA.

DAILY PROGRAMMES:
Medium Wave: Philippines-B, 1140 kc/s 263 m 1000 kW: 10.30–22.30.

10.30 Mandarin	13.00 Thai	15.30 Vietnamese
11.00 Amoy	13.30 English	16.00 Thai
11.30 Cantonese	14.00 Vietnamese	16.30–
12.00 Mandarin	14.30 Burmese	22.30 Mandarin/
12.30 Vietnamese	15.00 Mandarin	Cantonese

Short Wave: 35 kW: 10.30–16.30, 21.30–22.30.

6060 kc/s 49.50 m	9670 kc/s 31.02 m	15340 kc/s 19.56 m
9535 kc/s 31.46 m	11790 kc/s 25.45 m	

DAILY PROGRAMMES: See USA.

ANNOUNCEMENT: "This is the Voice of America Relay Base in the Philippines".

VERIFICATION by QSL-card. No return postage required.

RYUKYU ISLANDS

VOICE OF AMERICA RELAY BASE, OKINAWA

ADDRESS: Voice of America Relay Base, APO 331, c/o Postmaster, San Francisco, California, or Voice of America, Washington 25, D.C., USA.

STATIONS:
Medium Wave: Okinawa, 1180 kc/s 254 m 1000 kW: 10.30–22.30.
Short Wave: 35 kW: 10.30–17.00, 22.00–22.30.
6145 kc/s 48.82 m – 7160 kc/s 41.90 m – 9630 kc/s 31.15 m.

DAILY PROGRAMMES:

10.30 Mandarin	13.00 Cantonese	15.30 English
11.00 Amoy	13.30 English	16.00 Mandarin
11.30 Cantonese	14.00 Mandarin	17.30 Cantonese
12.00 Mandarin	14.15 Russian	18.00–
12.30 Amoy	15.00 Mandarin	22.30 Mandarin

ANNOUNCEMENT: "This is the Voice of America Relay Base in Okinawa".

VERIFICATION by QSL-card. No return postage required.

RYUKYU RADIO STATION (U.S. Civil Administr.)

ADDRESSES: Studio and Office: Shuri City, Okinawa, Ryukyu. Station: Kakazu-ku, Tomigusuku-son, Itoman-Chiku, Okinawa.

LEADING PERSONALITY: Station Man.: C. Kabira.

HOME SERVICE in Japanese: KSAR 740 kc/s 405 m 3 kW. D.: 21.00–23.00, 02.30–04.00, 09.00–14.00.

VERIFICATION by letter. Return postage required.

ARMED FORCES RADIO AND TELEVISION SERVICE (U.S.A. Military)

FEN Okinawa 810 kc/s 370 m 1 kW.

SAMOA (Western)

ADDRESS: Broadcasting Department, Government of Western Samoa, Box 200 Apia. Cable: "Voxpac".

LEADING PERSONALITIES: Director of Broadcasting: S.D.M. Smith. Chief Technician: N. R. Saggers.

HOME SERVICE in English and Samoan language from 2AP Apia: 1420 kc/s 211.3 m 2 kW – *)6040 kc/s 49.67 m 0.2 kW – *)3241 kc/s 92.56 m 0.2 kW *) For test purposes.
20.00–22.00 Mo. School broadcasts in Samoan.
20.00–21.00 Tues. Wed. Thurs.: School broadcasts in Samoan.
05.30–07.00 Mo. Wed. Sat.: English – 05.30–09.00 Fri.: English.
07.00–09.00 Mo. Wed. Sat.: Samoan. – 05.30–08.00 Sun.: English and Samoan.

ANNOUNCEMENT: "This is Station 2AP Apia, W. Samoa

VERIFICATION by QSL-card.

SOLOMON ISLANDS (British Protectorate)

SOLOMON ISLANDS BROADCASTING SERVICE (Govt.)

ADDRESS: Solomon Islands Broadcasting Service, Honiara. Cable: VQO Honiara.

LEADING PERSONALITIES: Wireless Officer in conjunction with Public Relations Officer of the High Commission Secretariat.

HOME SERVICE: Principal Languages: English, Pidgin-English, Roviana, Marovo, Bugotu, Gela, Gari, Arosi, Kwara'al, Lau, Ariari, To'abaitu.

VQO 1030 kc/s 291.2 m 0.4 kW W. 08.00–09.00.

TAHITI

ADDRESS: Le Directeur du Centre d'Information, Papeete.

HOME SERVICE in Tahitian & French from Papeete 0.2 kW.
6135 kc/s 48.90 m 7100 kc/s 42.25 m
7025 – 42.70 – 7125 – 42.10 –
22.00–22.15 Tahitian on 7025, 7125 kc/s.
22.15–23.00 French on 7025, 7125 kc/s.
04.00–05.00 Tahitian on 6135, 7025 kc/s.
05.00–07.00 French on 7025, 7125 kc/s.

ANNOUNCEMENT: Ici Radio-Tahiti, la voix de la France.

INTERVAL-SIGNAL: Tahitian Drums.

VERIFICATION by QSL-card.

NORTH AMERICA

CANADA

CANADIAN BROADCASTING CORPORATION INTERNATIONAL SERVICE (Publicly owned)

ADDRESS: Canadian Broadcasting Corporation, International Service, P.O. Box 6000, Montreal, Canada. Cable: "Intrad".

LEADING PERSONALITIES: Director: C. R. Delafield. Supervisor of Sections: A. L. Pidgeon. Supervisor of Engineering Services: J. M. Laporte. Press and Information Representative: H. Shane.

STATIONS: All international shortwave broadcasts from Canada are directed by CBC International Service, which is owned by the people of Canada. All programs are produced in Montreal and beamed from two 50-kilowatt transmitters at Sackville, New Brunswick, near the Atlantic Coast. The CBC International Service was inaugurated Feb. 25, 1945.

	kc/s	m		kc/s	m
CKNA	5970	50.25	CKRA	11760	25.51
CKRZ	6060	49.50*§	CKEX	11900	25.21
CKOB	6090	49.26*§	CKNK	11945	25.12
CHAC	6160	48.70*	CKLX	15090	19.88§
CKLP	9585	31.30§	CKCX	15190	19.75§
CHLS	9610	31.22§	CKCS	15320	19.58§
CKLO	9630	31.15§	CKNC	17820	16.84§
CKXA	11705	25.63	CKRP	21600	13.89
CHOL	11720	25.60§	CHLA	21710	13.82

*only in use in the winter period. § European Service.

ARK. -ARKANSAS
CONN. -CONNECTICUT
DR. -DOMINICAN REPUBLIC
FLO. -FLORIDA
ILL. -ILLINOIS
I. -INDIANA
K. -KENTUCKY
LUISI. -LUISIANA
MA. -MAINE
MAS. -MASSACHUSETTS
M. -MICHIGAN
MISS. -MISSISSIPPI
MIS. -MISSOURI
NY. -NEW YORK
NC. -NORTH CAROLINA
O. -OHIO
OKLAH. -OKLAHOMA
PEN. -PENNSYLVANIA
SC. -SOUTH CAROLINA
VIRGIN. -VIRGINIA
W. -WASHINGTON

map Greenland North America

Canada

EUROPEAN SERVICE:

	Winter Nov.–Febr.	Equinox March–April Sept.–Oct.	Summer May–Aug.
	m.b.	m.b.	m.b.
12.25–14.05	19–16	19–16	19–16
14.05–16.30	19–16	19–16	19–16
16.30–18.00	25–19–16	19–16	19–16
16.30–19.00	31–25–19–16	25–19–16	19–16
18.00–19.00	31–25	25–19	19
19.00–23.30	49–31	49–31–25–19	31–25–19

DAILY PROGRAMMES: R. = Relay.
12.25–14.05 R. For Canadian Forces in Europe (Sun.).
12.25–13.00 Czech (Sat. only).
13.00–14.05 R. For Canadian Forces in Europe (Sat.).
13.10–14.05 R. For Canadian Forces and Programs for Europe (Mon. to Fri.).
14.05–14.15 Announcements "Progr. Preview".
14.15–14.45 Russian. 14.45–15.15 Ukrainian (Sun. to 15.00).
15.00–16.00 Finnish & Swedish for Finland (Sun. only).
15.15–16.00 Progr. for Europe (Mo. to Sat.).
16.00–16.30 Polish
16.30–16.45 German
16.45–17.00 Dutch
17.00–17.30 English
17.30–17.45 Czech
17.45–18.15 French
18.15–18.45 Dutch
18.45–19.00 English
19.00–19.20 Swedish
19.20–19.40 Norwegian
19.40–20.00 Danish
20.00–20.30 German
20.30–21.00 Italian
21.00–21.30 Russian
21.30–22.00 French
22.00–22.30 Czech
22.30–23.00 English
23.00–23.30 Czech (Sat., Sun. only)
23.00–23.15 Programs for Europe (Mo. to Fri.)
23.15–23.30 German (Mo. to Fri.)

LATIN AMERICA AND CARIBBEAN SERVICE

	Winter Nov.–Febr.	Equinox March–April Sept.–Oct.	Summer May–Aug.
	m.b.	m.b.	m.b.
23.50–04.00	31–25	31–25	
23.50–02.15			31–25–19
02.15–04.00			31–25

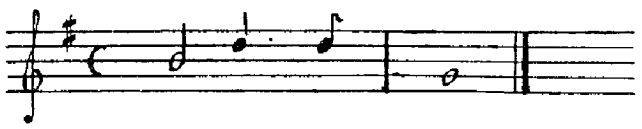
DAILY PROGRAMMES:
23.50–01.00 Portuguese
01.00–02.00 Spanish
02.00–02.30 French
02.30–03.00 English
03.00–04.00 Spanish

AUSTRALASIAN SERVICE (49 and 31 m.b.):
08.25–08.45 Relay for Canadian Forces in Korea via Australia. Daily.
08.45–09.50 English (Sun. & Wed. only).

NORTHWEST TERRITORIES & ARCTIC – SETTLEMENTS SERVICE
D. 04.25–05.05 (to 05.50 Mo. – Nov. to April) English in 49 and 31 m.b.
04.25–05.50 English and Northern Messenger (Sun. only E.S.T.)
11.55–12.35 English (Mon. to Fri.) in 31 and 25 m.b.

ANNOUNCEMENTS: "This is the International Service of the Canadian Broadcasting Corporation". "Ici Radio Canada". "This is Canada".

INTERVAL-SIGNAL: First four notes of the National Anthem "O Canada":



MESSAGE TO LISTENERS: The CBC International Service greets short-wave listeners everywhere, and welcomes reports, queries and comments on reception and programs. Please write to Box 6000, Montreal.

VERIFICATION by letter or QSL-card. No return postage required.

CBC HOME SERVICE . NATIONAL SERVICE

PUBLICLY OWNED

Abbreviations: N = Newfoundland. NS = Nova Scotia. PJ = Prince Edward Island. NB = New Brunswick. P = Pacific. QU = Quebec. O = Ontario. M = Manitoba. SA = Saskatchewan. Al = Alberta. BC = British Columbia. W = Winnipeg. D.Pr. = Daily Programmes. Pr. = Province.

ADDRESSES: Canadian Broadcasting Corporation, 140 Wellington Street, Ottawa, O (Head Office). Following are the locations of regional offices: T. A. Building, St. John's, N. (Newfoundland Region); United Services Building, Halifax, NS (Maritime Region); 1425 Dorchester Street West, Montreal, QU (QU Region); 354 Jarvis Street, Toronto, O (O Region); 541 Portage Ave W., M (Prairie Region); 701 Hornby Street, Vancouver, BC (P Region); **European Office:** 200 Oxford Street, London W, 1. England. **New York Office:** c/o United Nations, New York, N.Y., U.S.A.

LEADING PERSONALITIES: Head Office: Gen. Man.: J. A. Ouimet. Asst. Gen. Man.: E. L. Bushnell. Dir. of Progr.: Ch. Jennings. Asst. Dir. of Progr.: Marcel Ouimet. Dir. of Engineering: W. G. Richardson. Dir. of Press and Information: R. C. Fraser.

ENGLISH NETWORKS

Medium Waves:

Call	kc/s	kW	City-Pr.	Call	kc/s	kW	City Pr.
CBN	640	10	St. John's-N	CBO	910	1	Ottawa-O
CBG	1450	0.25	Gander-N	CBL	740	50	Toronto-O
CBT	1350	1	Gr. Falls-N	CJBC	860	50	Toronto-O
CBY	790	1	Corner B.-N	CBE	1550	10	Windsor-O
CBI	1570	1	Sydney-NS	CBW	990	50	Winnipeg-M
CBH	1330	0.1	Halifax-NS	CBK	540	50	Watrous-S
CBA	1070	50	Sackville-NB	CBX	1010	50	Edmont.-A
CBM	940	50	Montreal-Qu	CBU	690	10	Vanc.-B.C.

FM:

Call	mc/s	kW	City Pr.
CBM	100.7	3.86	Montreal
CBO	103.3	0.38	Ottawa
CBL	99.1	11.90	Toronto
CBU	105.7	1.40	Vancouver

Short Waves:

Call	kc/s	kW	City Pr.
CBNX	5970	0.3	St. John's 1)
CBUX	6160	0.15	Vancouv. 2)
VED	7320	5	Edmonton 3)

1) relay CBN. 2) relay CBU. 3) relay CBX.

CBN/CBNX: Address: Newfoundland Hotel, St. John's N. D. Pr.: 10.30–03.05. – Verification by QSL-card.

CBA: Address: United Service Building, 100 Sackville Street, Halifax N.S. D. Pr.: W.: 11.30–04.00. Sun.: 12.45–04.15.

CBM: Address: Radio Canada Building, 1425 Dorchester Street, Montreal, Q.U. D. Pr.: W.: 12.00–05.00. Sun.: 13.00–05.00.

CBL: Address: 354 Jarvis Street, Toronto 5 O. D. Pr.: W.: 12.00–05.00. Sun.: 13.00–05.00.

CJBC: Address: 354 Jarvis Street, Toronto 5 O. D. Pr.: W.: 12.00–05.00. Sun.: 13.45–05.00.

CBE: Address: Security Building, Windsor O. D. Pr.: W.: 12.45–05.30. Sun.: 13.00–05.30.

CBW: Address: P.O. Box 160, Winnipeg. D. Pr.: 12.45–06.00, Sun. 14.45–06.00.

CBK: Address: P.O. Box 148, Regina S. D. Pr.: 13.45–08.00, Sun. 15.45–08.00.

CBX/VED: Address: Mc. Donald Hotel, Edmonton A. D. Pr.: 13.45–08.00.

CBU/CBUX: Address: 701 Hornby Street, Vancouver B.C. D. Pr.: W.: 14.45–08.00. Sun.: 15.55–08.00. News: 15.30(W.), 16.00,19.00(S), 20.15(W), 23.00(S), 01.45(W), 03.00, 06.00, 07.57.

FRENCH NETWORKS

Medium Waves:

Call	kc/s	kW	City Pr.
CBF	690	50	Montreal
CBJ	1580	10	Chicoutimi
CBV	980	1	Quebec
CBAF	1300	5	Moncton

FM:

Calll	mc/s	kW	City Pr.
CBF	95.1	3.86	Montreal

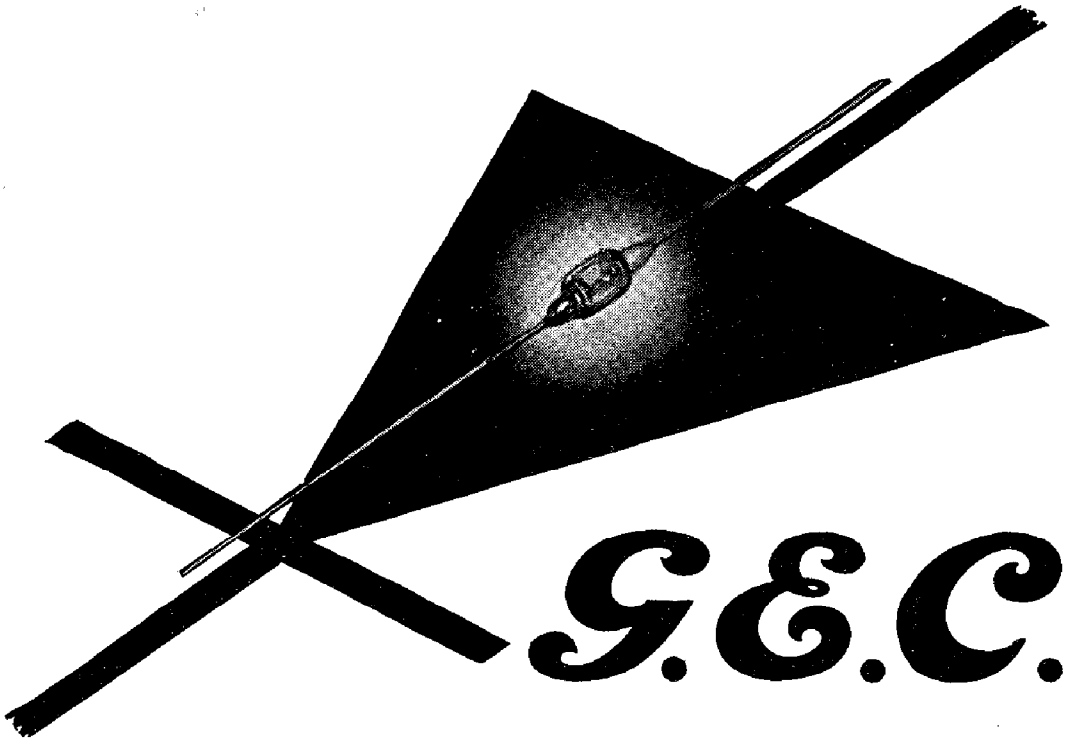
Short Waves:
(Montreal 7.5 kW)

CBFW	6090	CBFL	11720
CBFR	9520	CBFA	11760
CBFX	9610	CBFZ	15190
CBFO	9630		
CBFY	11705		

PRIVATELY OWNED COMMERCIAL STATIONS

ASSOCIATION OF BROADCASTERS: Head Office, 108 Sparks St., Ottawa 4.
Medium Wave: 5 kW and more. 102 low-power stations not mentioned.

Call	kc/s	kW	City, Prov.	Call	kc/s	kW	City, Prov.
CFNB	550	5	Fr.ton, N.B.	CKBI	900	5	Pr. Albert, SA
CFRA	560	5	Ottawa, O	CJCH	920	5	Halifax, N.S.
CJKL	560	5	Kirkl. L., O	CFBC	930	5	S. John, N.B.
CJFX	580	5	Antigon.,N.S.	CJCA	930	5	Edmont., AL
CKEY	580	5/1	Toronto, O	CJON	930	5	St. John's, N
CKY	580	5	Winnipeg, M	CFAC	960	5	Calgary, AL
CFCF	600	5	Montr., QU	CHNS	960	5	Halifax, N.S.
CFQC	600	5	Saskat. SA	CKWS	960	5	Kingston, O
CJOR	600	5	Vanc., B.C.	CFPL	980	5	London, O
CHNC	610	5	N. Carl., QU	CKRM	980	5	Regina, SA
CKCK	620	5	Regina, SA	CKWX	980	5	Vanc., B.C.



G.E.C.

GERMANIUM CRYSTAL DIODES

are indicated here because...

The use of the Germanium Diode is now firmly established in current T/V practice — and indeed for Radio and Electronic equipment. The glass sealed type is recognised everywhere as being the most reliable and of the highest possible quality.

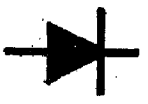
The design of the G.E.C. Germanium Diode was perfected over three years ago, since when no major alteration has been necessary. There is already a large range of types available, but this is continually being enlarged, and types are now obtainable that were previously restricted essential industries.

Type	Description	List Price
GEX 35	T/V vision detector	6/-
GEX 44/1	T/V sound detector and limiter	7/6d.
GEX 45/1	General purpose diode	10/-
GEX 55/1	High back resistance diode	16/-
GEX 54	High back resistance diode	£1.0.0
GEX 54/3	100 V diode	£1.5.0
GEX 54/4	150 V diode	£1.10.0
GEX 54/5	200 V diode	£1.15.0
GEX 66	100-1000 Mc/Sec Mixer	12/6d.
GEX 64	Telephone modulator	£1.0.0
GEX 34	Set makers version of GEX 44/1	—

They are of small size, low capacitance, and high forward conductance.

Being so small, they can be soldered directly into the part of the circuit where they are wanted.

Heater wiring and valve holders are not required, and they can be tried with great ease in various circuit arrangements.



The crystals are hermetically sealed in glass, making penetration by characteristic-destroying moisture impossible.

A minimum life of 10,000 hours means that they need not be easily accessible for replacement.

Data on specific types for special applications is available on request from the Osram Valve and Electronics Dept.

Call	mc/s	kW	City, Prov.	Call	mc/s	kW	City, Prov.
CFCY	630	5	Charl., P.E.I.	CFRB	1010	50	Toronto, O
CKRC	630	5	Winnipeg, M	CFCN	1060	10	Calgary, AL
CHFA	680	5	Edmont., AL	CHOK	1070	5/1	Sarnia, O
CKGB	680	5	Timmins, O	CHSJ	1150	5	S. John, N.B.
CKAC	730	10/5	Montreal, QU	CKOC	1150	5	Hamilton, O
CKSO	790	5	Sudbury, O	CJOC	1220	5*	Lethbr., AL
CHAB	800	5	Moose J., SA	CKCW	1220	10	Monct., N.B.
CHRC	800	5	Quebec, QU	CFRN	1260	5	Edmont., AL
CJAD	800	5*	Montr., QU	CJCB	1270	5/1	Sydney, N.S.
CKLW	800	50	Windsor, O	CKDA	1280	5	Victoria, B.C.
CHML	900	5	Hamilton, O	CKOY	1310	5/1	Ottawa, O
CJBR	900	5*	Rimouski, QU	CKOM	1420	5	Saskat., SA
CJVI	900	5	Victoria, B.C.	CHVC	1600	5/1	Niagara F., O

*) power to be encreased.

Projected

CHLN	550	5	Three R., QU	CKLB	1350	5	Oshawa, O
CKVL	850	10*	Verdun, QU	CFOR	1570	5/1	Orillia, O
CFGP	1050	5	Gr. Prairie, M				

*) increase of power, change of frequencies.

FM Stations:

CJRT	91.1	9.9	Toronto, O	CHRC	98.1	0.595	Queb., QU
CJKL	93.7	0.25	Kirkl. L., O	CKUA	98.1	0.352	Edm., AL
CFRA	93.9	0.383	Ottawa, O	CJCA	99.5	0.414	Edm., AL
CKLW	93.9	0.25	Winds., O	CKLC	99.5	0.310	Kingst., O
CKPR	94.3	0.25	F. Will., O	CFRB	99.9	0.6	Toronto, O
CKGB	94.5	0.425	Timm., O	CFRN	100.3	0.279	Edm., AL
CKPC	94.7	0.25	Brantf., O	CHSJ	100.5	0.325	St. J., N.B.
CJCB	94.9	0.63	Sydn., N.S.	CHEX	101.5	0.25	Peterb., O
CFPL	95.9	4.44	London, O	CJBR	101.5	0.57	Rim., QU
CHNS	96.1	0.25	Halif., N.S.	CJSH	102.9	9.2	Hamilt., O
CKWS	96.3	0.35	Kingst., O	CJOB	103.1	0.25	Winnip., M
CKCR	96.7	0.35	Kitch., O	CKSF	104.5	0.522	Cornw., O
CKVL	96.9	10.2	Verd., QU	CFCH	106.3	0.25	N. Bay, O
CHOK	97.5	0.25	Sarnia, O	CFCF	106.5	7.7	Mon., QU
CKTB	97.7	0.25	S. Cath., O				

Projected:

CKPC	92.1	0.25	Brantf., O

Shortwave:

Call	kc/s	kW	m.w.	
CFCX	6005	0.075	CFCF	10.00–05.30
CJCX	6010	1	CJCB	10.30(Sun. 12.00)–03.00
CFVP	6030	0.1	CFCN	13.00–07.00
CFRX	6070	1	CFRB	11.00–06.05
CKFX	6080	0.01	CKWX	14.30–08.00
CHNX	6130	0.5	CHNS	10.00–04.10
CKRO	6150	2	CKRC	13.00–08.00
CKRX	11720	2	CKRC	13.00–08.00

CANADIAN MARCONI COMPANY – 6005/600 kc/s/FM 106.5 mc/s

ADDRESS: 4824 Cote des Neiges Rd., Montreal. –

VERIFICATION by QSL-card.

CAPE BRETON BROADCASTERS LTD. – 6010/1270 kc/s/FM 94.9 mc/s.

ADDRESS: Radio Building, 318 Charlotte Street, Sydney N.S.

VERIFICATION by QSL-card.

THE VOICE OF THE PRAIRIES, LTD. – 6030/1060 kc/s.

ADDRESS: General Trust Bldg., Calgary, Al.

DAILY PROGR.: N. 15,00, 19.30, 05.30. – VERIFICATION by QSL-card.

ROGERS RADIO BROADCASTING COMP. LTD. – 6070/1010 kc/s/FM 99.9 mc/s

ADDRESS: 37 Bloor Street West, Toronto, O.

DAILY PROGR.: N. 13.00, 14.00, 16.50, 17.30, 21.00, 22.50, 23.30, 03.50. – VERIFICATION by QSL-card.

WESTERN BROADCASTING COMP. LTD. – 6080/980 kc/s.

ADDRESS: 543 Seymour Street, Vancouver 2, B.C.

LEADING PERSONALITIES: Vice-Pres., Gen. Man.: F. H. Elphicke. Ass. Man.: S. Ross.

DAILY PROGRAMMES: N. On the hour every hour. – Weatherrep. 14.35, 19.10, 02.05. – VERIFICATION by letter.

MARITIME BROADCASTING COMP. LTD. – 6130/960 kc/s/FM 96.1 mc/s

ADDRESS: Broadcasting House, 10 Tobin Str., Halifax, N.S.

VERIFICATION by QSL-card.

TRANSCANADA COMMUNICATIONS LTD. – 6150, 11720/630 kc/s.

ADDRESS: Free Press Building, 300 Carlton Str., Winnipeg, M.

WESTERN ONTARIO BROADCASTING COMP. LTD. 800 kc/s/FM 93.9 mc/s.

ADDRESS: 825 Sandwich Str. West., Windsor, O. –

LEADING PERSONALITIES: Pres.: J. E. E. Campeau. Dir. Tec.: W. J. Carter. Dir. Operations: S. C. Ritchie. Comm. Manager: E. W. Wardell.

DAILY PROGR.: 24 hours a day. Time-Sig.: On the hour.

VERIFICATION by letter. Reports are desired. Return postage not required.

ARMED FORCES RADIO SERVICE (U.S.A. Military):

CRFC	Ft. Churchill, Manitoba	1230 kc/s	100 W
VOUS	St. Johns Airport, Nfld.	1480 –	250 –

ARMED FORCES RADIO SCE. (USA Air Force)

VQUF Stephenville Airport Nf 1490 kc/s 250 W

UNITED STATES OF AMERICA

VOICE OF AMERICA (Government)

"THE VOICE OF AMERICA" is operated by the Broadcasting Service of the U.S. Information Agency. The VOA seeks to promote an increased understanding of the United States among the peoples of the world and to strengthen cooperative international relations.

VOA radio relay installations are located at Honolulu, Manila, Colombo, Okinawa, Munich, Tangier, Salonika and aboard VOA's floating transmitter – the U.S. Coast Guard Cutter Courier. Relay facilities are also leased from the BBC.

Programs are written, produced and broadcast from studios in Washington, D.C., New York City and Munich, Germany.

ADDRESS: The Voice of America, Washington 25, D.C., USA.

LEADING PERSONALITIES: Director, U.S.: Theodore C. Streibert. Information Agency: Assistant Director for Broadcasting: J. R. Poppele. Program Manager: Gene King. Chief Engineer: Edgar T. Martin. Facilities Manager: Harold O. Wright.

STATIONS:

KCBR-1 (200 kW), KCBR-2, KCBR-3 (50 kW), KCBR-4, KCBR-5 (100 kW), Columbia Broadcasting System, Inc., Delano, California.
KNBH-1 (200 kW), KNBH-2, KNBH-3 (50 kW), KNBH-4, KNBH-5 (100 kW), National Broadcasting Co., Inc., Dixon, California.
WNBC-1/6 (50 kW), National Broadcasting Co., Inc., Bound Brook, New Jersey.

WDSI-1, WDSI-2, WDSI-3 (50 kW), Columbia Broadcasting System, Inc., Brentwood, New York.

WDSI-5, WDSI-6 (50 kW), Columbia Broadcasting System, Inc., Wayne, New Jersey.

WGEO-1 (100 kW), WGEO-2 (50 kW), WGEO-3 (25 kW), General Electric Company, 1 River Road, Schenectady, New York.

WLWO-3, WLWO-4, WLWO-5, WLWO-6, WLWO-7, WLWO-8 (75/200 kW), The Crosley Corporation, Bethany, Ohio.

Stations	kc/s	m	Stations	kc/s	m
KNBH	6020	49.83	KNBH	9650	31.09
KCBR	6040	49.67	WDSI	9650	31.09
WLWO	6040	49.67	WLWO	9685	30.98
KNBH	6060	49.50	KCBR	9700	30.93
WDSI	6060	49.50	WLWO	9700	30.93
KCBR	6120	49.02	WDSI	9700	30.93
WLWO	6155	48.74	WLWO	11710	25.62
WDSI	6170	48.62	KNBH	11755	25.52
KCBR	6185	48.50	WDSI	11790	25.45
KNBH	9515	31.53	WNBC	11790	25.45
WLWO	9520	31.51	KNBH	11790	25.45
KCBR	9530	31.48	WLWO	11790	25.45
WGEO	9530	31.48	WDSI	11830	25.36
WNBC	9530	31.48	KCBR	11870	25.27
WLWO	9545	31.43	WDSI	11870	25.27
WNBC	9550	31.41	WNBC	11890	25.23
KCBR	9570	31.35	WGEO	11900	25.21
KNBH	9590	31.28	KCBR	15130	19.83
KCBR	9600	31.25	WNBC	15130	19.83
WGEO	9615	31.20	WLWO	15165	19.78

AMERICA

Falkland Islands: The Broadcasting Station at Shonington Island in the Falkland Islands.
↓

United Nations: Thai News Commentator, Nid Tongoctat (left) interviews Miss Wiwan Worawan, the first UN Guide from Thailand.

Cuba CMQ: Trio Hermanas Marquez wellknown Cuban Singers.
↓

Radio Canada: Danish language staff memsers in a CBC, International Service, studio in the Radio Canada Building in Montreal. From left: Erik Frohm Nielsen, Miss Jytte Andersen, Head of Danish section Axel Thøgersen, A. O. Arnfast,

United Nations: Chief of Central Radio - Division: Mr. Eugenio Soler Alfonso.

United Nations: At the invitation of the UN Department of Public Information, the Director of the Inter-American Association, Mr. José Luis Fernandez is visiting United Nations Headquarters, where he is conferring with the chief of the UN Radio Division Mr. Peter Aylen (left).

Falkland Islands United Nations Nid Tongoctat Wiwan Worawan Cuba CMQ Trio Hermanas Marquez Radio Canada Erik Frohm Nielsen Jytte Andersen Axel Thorgersen A.O. Arnfast Eugenio Soler Alfonso Jose Luis Fernandez Peter Aylen

U. S. A.

Stations	kc/s	m	Stations	kc/s	m
WLWO	15200	19.74	WGEO	17760	16.89
KCBR	15210	19.72	KNBH	17760	16.89
WNBC	15210	19.72	WDSI	17770	16.88
WDSI	15230	19.70	WNBC	17780	16.87
KNBH	15250	19.67	KCBR	17780	16.85
WLWO	15250	19.67	WLWO	17795	16.80
KNBH	15270	19.65	KNBH	17800	16.86
WDSI	15270	19.65	WNBC	17805	16.85
WNBC	15280	19.63	KNBH	17830	16.85
KCBR	15315	19.59	WDSI	17830	16.83
WGEO	15330	19.57	KCBR	17850	16.81
WLWO	15330	19.57	KNBH	21460	13.91
KCBR	15340	19.56	KCBR	21630	13.87
WNBC	15440	19.43	WLWO	21650	13.88

RELAY STATIONS: For frequencies of the relay stations, refer to the individual countries: **Germany, Greece, Dodecanese Islands, Great Britain, Tangier, Ceylon, Hawaii, Okinawa, Philippines.**

ANNOUNCEMENT: Each program ends with the words: "This program has come to you from the United States of America", in the language of the program.

VERIFICATION by QSL-card. No return postage required.

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
ALBANIAN	05.15–05.30	—	31, 41, 49, 75
	12.00–12.15	—	16, 19, 25, 31
	18.15–18.30	19, 25, 31	19, 25, 41, 49
	18.45–19.00	—	379
	20.15–20.30	19, 25 31,	25, 31, 41, 49
	21.15–21.30	—	251
	22.30–22.45	—	25, 31, 41, 49, 238
ARABIC	18.00–18.30	—	41, 49, 238
	18.30–19.30	19, 25, 31	19, 25, 41, 49, 238
	19.30–20.00	—	41, 49, 238
ARMENIAN	00.00–00.30	—	41, 49, 75, 238
	01.45–02.15	—	31, 41, 49
	08.30–09.00	—	19, 25
	10.30–11.00	—	19, 25
	15.00–15.30	16, 19	19, 25, 31, 41, 49
AUSTRIAN	16.45–17.00	19, 25	
	17.15–17.30	16, 19, 25	31
	18.45–19.00	19, 25, 31	
BULGARIAN	00.45–01.15	—	31, 41, 49, 75, 238
	06.00–06.30	—	19, 25, 31, 41, 49
	11.00–11.30	—	19, 25
	12.15–12.30	—	25, 31, 41, 49
	16.15–16.30	—	31, 41, 49
	17.00–17.15	16, 19, 25	19, 25, 31, 41, 49, 379
	18.00–18.15	—	19, 25, 31, 41, 49, 379
	18.15–18.30	—	41, 49, 379
	19.30–20.00	19, 25, 31	25, 31, 41, 49, 379
	20.30–20.45	—	41, 49
	22.00–22.30	—	25, 31, 41, 49, 238
CZECH/ SLOVAK	04.45–05.00	—	31, 41, 49, 75
	08.00–08.15	—	19, 25
	11.00–11.45	—	16, 19, 25
	13.00–13.15	—	1734
	13.15–13.30	—	1734
	17.30–18.00	19, 25	19, 25, 31, 41, 49, 75, 251, 1734
	20.00–20.30	19, 25, 31	25, 31, 49, 75, 251, 1734
	21.45–22.00	19, 25, 31	25, 31, 41, 49, 75
	23.45–00.00	—	31, 41, 49, 238
ENGLISH	15.00–15.30	16, 19	16, 19, 25, 41
	15.30–16.00	—	238
	16.15–16.45	16, 19	19, 25, 31, 41, 49, 224, 464, 1734
	18.00–18.30	19, 25, 31	25, 31, 49
	19.00–19.30	—	31, 49
	20.00–20.30	—	41, 49, 238
	20.30–21.00	—	41, 49, 238
ESTONIAN	00.15–00.30	—	31, 41, 49, 75
	03.45–04.00	—	31, 41, 49, 75
	09.00–09.15	—	19, 25
	13.00–13.15	—	16, 19, 25, 31
	13.15–13.30	—	25, 31, 41, 49
	14.45–15.00	—	25, 31, 41, 49
	17.30–17.45	16, 19, 25	19, 25, 31, 41, 49
	18.30–18.45	—	19, 25, 31, 49, 75, 251
	19.45–20.00	19, 25, 31	25, 31, 41, 49
	21.15–21.30	—	25, 31, 41, 49
FRENCH	17.30–18.00	16, 19, 25	RTF
GEORGIAN	00.30–00.45	—	41, 49, 75, 238
	02.15–02.30	—	31, 41, 49, 75
	02.30–02.45	—	31, 41, 49, 75
	08.15–08.30	—	19, 25
	09.45–10.00	—	19, 25
	11.45–12.00	—	16, 19, 25
	14.00–14.15	—	16, 19, 25, 31
	16.45–17.00	16, 19	19, 25, 31
	18.00–18.15	19, 25, 31	19, 25, 31
	19.45–20.00	19, 25, 31	19, 25, 31
	21.00–21.15	—	41, 49, 238
	21.45–22.00	—	41, 49, 238
GERMAN	§15.15–15.30	—	251 (§ Sun. only)
	17.15–17.30	16, 19, 25	19, 25, 31, 41, 49, 251, 1734
	17.45–18.00	16, 19, 25	19, 25, 31
	20.00–20.15	19, 25, 31	25, 31, 49
	22.00–22.15	19, 25, 31	31, 41
GREEK	17.15–17.30	19, 25	19, 25, 31, 49, 379
	20.30–20.45	19, 25, 31	25, 31, 41, 49, 379
HUNGARIAN	12.15–12.30	—	1734
	14.00–14.15	—	19, 25, 31, 41, 49, 1734
	18.45–19.00	—	19, 25, 31, 49, 75, 251, 1734
	19.00–19.30	19, 25, 31	19, 25, 31, 41, 49, 75, 379, 1734
	20.30–20.45	—	75, 1734
	20.45–21.15	19, 25, 31	25, 31, 41, 49, 75, 238, 379, 1734
	21.30–21.45	—	25, 31, 41, 49, 251
	22.15–22.30	—	25, 31, 41
	23.15–23.45	—	31, 41, 49, 238
ITALIAN	15.40–15.45	—	RAI
	17.00–17.15	—	TRIESTE
LATVIAN	00.30–00.45	—	31, 41, 49, 75
	04.00–04.15	—	31, 41, 49, 75
	09.30–09.45	—	19, 25
	13.15–13.30	—	16, 19, 25, 31
	17.45–18.00	16, 19, 25	19, 25, 31, 49
	19.30–19.45	19, 25, 31	25, 31, 41, 49
	23.15–23.30	—	251
LITHUANIAN	00.00–00.15	—	31, 41, 49, 75
	04.15–04.30	—	31, 41, 49, 75
	04.30–04.45	—	31, 41, 49, 75
	09.15–09.30	—	19, 25
	12.15–12.30	—	16, 19, 25, 31, 41
	13.00–13.15	—	25, 31, 41, 49
	14.45–15.00	—	16, 19, 25, 31
	16.00–16.15	16, 19	19, 25, 31, 41, 49, 251
	16.30–16.45	—	31, 41, 49
	18.15–18.30	—	19, 25, 31, 251
	21.00–21.15	19, 25, 31	25, 31, 41, 49, 251
MUSIC	14.45–15.00	16, 19	
PERSIAN	02.45–03.15	31, 49	31, 41, 49, 75
	16.30–17.30	16, 19, 25	19, 25, 31, 41, 49, 238
	17.30–18.00	41	41, 49, 238
POLISH	05.30–06.00	—	31, 41, 49, 75
	07.30–08.00	—	19, 25
	13.30–14.00	—	25, 31, 41, 49, 1734
	16.15–16.45	16, 19	19, 25, 31, 41, 49, 251
	19.30–20.00	—	19, 25, 31, 41, 49, 75, 251, 1734
	20.30–21.00	19, 25, 31	25, 31, 41, 49
	22.15–22.45	—	251, 1734
	22.45–23.15	—	251
RUMANIAN	07.00–07.30	—	19, 25
	10.00–10.30	—	19, 25
	16.45–17.00	16, 19	19, 25, 31, 41, 49
	17.45–18.00	—	41, 49, 379
	20.00–20.30	19, 25, 31	25, 31, 41, 49, 379
	22.45–23.15	—	31, 41, 49, 238
RUSSIAN	01.15–01.45	—	41, 49, 238
	01.15–01.45	—	31, 41, 49, 75
	01.30–02.00	31, 49	
	01.45–03.15	—	41
	03.15–03.45	31, 49	31, 41, 49, 75

TO EUROPE NEAR- AND MIDDLE EAST		USA	RELAY STATIONS
		METER BANDS	
	03.45–05.45	—	41
	06.00–06.30	—	19, 25, 31, 41, 49
	12.30–13.00	—	16, 19, 25, 31
	12.30–13.00	—	19, 25, 31, 41, 49, 1734
	13.00–13.30	—	19, 25
	13.30–14.00	—	16, 19, 25, 31
	14.15–14.45	16, 19	16, 19, 25, 31, 41, 49, 1734
	14.45–15.15	—	19, 25, 1734
	15.00–15.30	—	1734
	15.30–16.00	—	1734
	15.45–16.15	—	1734
	16.15–16.45	—	1734
	16.45–17.15	—	19, 25, 31, 49, 251, 1734
	17.15–17.45	—	1734
	18.00–18.30	16, 19, 25, 31	19, 25, 31, 49, 75, 1734
	18.30–19.00	—	1734
	19.00–19.30	—	49
	19.30–20.00	—	49
	20.00–20.30	—	41, 49
	20.30–21.00	—	49
	21.15–21.45	19, 25, 31	25, 31, 41, 49, 75, 238, 1734
	21.45–22.15	—	25, 31, 41, 49, 251, 1734
	22.45–01.15	—	41
SERBO.-CROAT	05.00–05.15	—	31, 41, 49, 75
	17.30–17.45	16, 19, 25	19, 25, 31, 49, 379
	19.00–19.30	19, 25, 31	19, 25, 31, 251
	21.00–21.15	19, 25, 31	25, 31, 41, 49
SLOVENE	17.00–17.15	16, 19, 25	19, 25, 31
	18.00–18.15	—	251
	18.30–18.45	19, 25, 31	31, 379
SPANISH	20.30–21.00	19, 25, 31	25, 31, 41, 49, 251
TURKISH	16.00–16.30	16, 19, 25	19, 25, 31, 41, 49, 238
UKRAINIAN	06.30–07.00	—	19, 25
	15.30–16.00	16, 19	19, 25, 31, 41, 49, 251
	18.30–19.00	16, 19, 25, 31	19, 25, 31, 41, 49

TO LATIN AMERICA		USA	RELAY STATIONS
		METER BANDS	
ENGLISH	00.30–01.00	19, 25, 31, 49	

TO INDIA AND PAKISTAN		USA	RELAY STATIONS
		METER BANDS	
BENGALI	13.15–13.45 (Mon. only)	—	25, 41
	15.30–15.45 (Mon. only)	16, 19, 25	16, 19, 25, 41
	15.45–16.15 (Mon. only)	—	25, 41
ENGLISH	14.30–15.00	—	25, 41
	15.00–15.30	16, 19	16, 19, 25,41
	17.00–17.30	—	25, 41
HINDI	13.30–14.00 (exc. Mon.)	—	25, 41
	15.30–15.45 (exc. Mon.)	16, 19, 25	16, 19, 25, 41
	15.45–16.15 (exc. Mon.)	—	25, 41
TAMIL	14.00–14.30 (Wed. only)	—	25, 41
	15.45–16.00 (Wed. only)	16, 19, 25	16, 19
	16.30–17.00 (Wed. only)	—	25, 41
	16.15–16.30 (Wed. only)	—	25, 41
URDU	14.00–14.30 (exc. Wed.)	—	25, 41

TO INDIA AND PAKISTAN		USA	RELAY STATIONS
		METER BANDS	
	15.45–16.00 (exc. Wed.)	16, 19, 25	16, 19
	16.15–16.30 (exc. Wed.)	—	25, 41
	16.30–17.00 (exc. Wed.)	—	25, 41

TO FAR EAST		USA	RELAY STATIONS
		METER BANDS	
AMOY	10.00–10.30	31, 49	25, 31, 326
	11.00–11.30	—	19, 25, 31, 41, 49, 254, 263, 326
	12.30–13.00	—	31, 41, 49, 254, 326
	14.00–14.30	—	326
	16.00–16.30	—	326
	18.30–19.00	—	263
	20.30–21.00	—	263
BURMESE	10.30–11.00	31, 49	
	12.00–12.30	—	19
	14.30–15.00	—	19, 25, 31, 263
CANTONESE	11.30–12.00	31, 49	19, 25, 31, 41, 49, 254, 263
	13.00–13.30	—	31, 41, 49, 254, 326
	14.30–15.00	—	326
	16.30–17.00	—	326
	17.30–18.00	—	254, 263
	19.30–20.00	—	263
	21.30–22.00	—	31, 49, 263
	23.00–23.30	13, 16, 19	25, 31, 49
ENGLISH	11.30–12.00 (Sun. only)	—	326
	13.30–14.00	31, 49	25, 31, 41, 49, 254, 263, 326
	15.30–16.00	—	25, 31, 41, 49, 263, 326
	23.30–00.00	13, 16, 19	31, 49, 326
INDONESIAN	12.30–13.00	31, 49	19
	13.30–14.00	—	19
JAPANESE	01.30–02.00	13, 16, 19	
	09.30–10.00	—	19, 25, 31
	21.15–21.30	16, 19, 25	
	21.30–22.00	16, 19, 25	
KOREAN	22.30–23.00	13, 16, 19	25, 31, 49
MANDARIN	01.00–01.30	—	19, 25
	09.30–10.00	31, 49	25, 31
	10.30–11.00	—	19, 25, 31, 41, 49, 254, 263, 326
	12.00–12.30	31, 49	19, 25, 31, 41, 49, 254, 263, 326
	15.00–15.30	31, 49	19, 25, 31, 41, 49, 254 263, 326
	16.00–16.30	—	31, 41, 49, 254
	16.30–17.00	—	263
	16.30–17.00	—	31, 41, 49, 254, 263
	17.00–17.30	—	254, 263
	18.00–18.30	—	254, 263
	18.30–19.00	—	254
	19.00–19.30	—	254, 263
	19.30–20.00	—	254
	20.00–20.30	—	254, 263
	20.30–21.00	—	254
	21.00–21.30	—	254, 263
	21.30–22.00	—	254
	22.00–22.30	13, 16, 19	25, 31, 41, 49, 254, 236
RUSSIAN	00.00–00.30	13, 16, 19	19, 25
	09.00–09.30	31, 49	19, 25, 31
	14.15–14.45	31, 49	31, 41, 49, 254
THAI	13.00–13.30	31, 49	19, 25, 263
	14.00–14.30	—	19
	16.00–16.30	—	19, 25, 31, 263
VIETNAMESE	00.30–01.00	13, 16, 19	19, 25
	11.00–11.30	31, 49	19
	12.30–13.00	—	19, 25, 31, 49, 263
	14.00–14.30	—	19, 25, 31, 263
	15.30–16.00	—	19, 25, 31, 263

U.S.A.

ARMED FORCES RADIO and TELEVISION SERVICE

ADDRESS: Office of Armed Forces Information and Education. Washington 25. D. C.
This office exercises overall policy control of the Armed Forces Radio and Television Service. The mission of AFRTS is to keep United States service men and women stationed outside the States the best informed service personnel in the world on current events. **All broadcasts are in English.** Entertainment and educational programs go out in disc form, to be broadcast to local military audiences by 69 armed forces radio stations in overseas areas. News, sports and other timely matter is beamed overseas directly by twelve powerful transmitters on the U.S. Atlantic and Pacific coasts. These shortwave broadcasts serve both the overseas radio stations, which relay them locally, and the more remotely situated individual military listeners with their own shortwave radio receivers. Programmes other than news and locally produced programmes are derived directly from the U.S. Commercial Networks. News is compiled directly from the wires of A.P., N.P. and JNS.

AFRS presents regular shortwave programmes from both Los Angeles and New York City, using the transmitters of the Voice of America.

EUROPEAN SERVICE (from New York)

ADDRESS: Officer in Charge, Armed Forces Press, Radio and Television Service, 641 Washington Str., New York 14, N.Y.

LEADING PERSONALITIES: Military personnel.

DAILY PROGRAMMES: from 18.00–22.45 – 50 kW – Period: All year.

Call			Target Area
WNBC-4	9530 kc/s	31.48 m	Europe from 18.15
WNBC-3	9550 –	31.41 –	Europe Sat., Sun. only.
WRUL2	15220 –	19.71 –	Greenland
WRUL3	15220 –	19.71 –	North Africa
WNBC-1	15440 –	19.43 –	Europe
WNBC-5	17780 –	16.86 –	Caribbean 18.15–20.00

N. D. 22.30. Mo.–Fri. 20.45, 21.30, Sat. 19.15, 19·45. Sun. 19.45.

CONFERENCE PERIOD: D. 18.00–18.10. Program information. Master schedule read twice each month (1st and 15th during this period).

ANNOUNCEMENT: "This is the United States Armed Forces Radio Service in New York. The Voice of Information and Education".

VERIFICATION by QSL-card. Return postage not required. Mail your comments and requests to: Armed Forces Radio Service, N.Y. 14. N.Y.

PACIFIC SERVICE (from Los Angeles)

ADDRESS: Armed Forces Radio & Television Service, 1016 North McCadden Place, Los Angeles 38, California.

LEADING PERSONALITY: Officer-in-Charge: Commander E. F. Hutchins, U.S. Navy.

DAILY PROGRAMMES: 01.00–14.15.

To Japan, Korea:

Call	kc/s	m	kW		Beam
KCBR3	6040	49.67	50	07.00–14.15	Japan/Korea
KCBR4	6120	49.02	100	05.30–12.00	Alaska/Aleutians
KNBH1	9515	31.53	100	05.00–07.00	Japan/Korea
KCBR5	9530	31.48	100	01.15–06.00	Caribbean
KCBR4	9570	31.35	100	12.15–14.15	Caribbean
KCBR2	9700	30.93	50	07.00–14.15	Japan/Korea
KCBR3	11870	25.27	50	01.00–06.30	Japan/Korea
KCBR4	15210	19.72	100	01.15–05.15	Alaska/Aleutians
KCBR2	15315	19.59	50	01.00–06.30	Japan/Korea
KCBR1	15340	19.56	200	02.00–05.30	Philippines/Marianas

Major frequency changes occur in the spring, fall, and winter. Minor adjustments in frequencies are announced in "Conference Period" as they take place.

N.: Hourly from 01.00–14.00, except as altered for special programming. – Dictation N.: D. Mo. 08.15–08.30, Sun. 06.15–07.00, – Tues.–Sat. 09.15–10.00, by

CONFERENCE PERIOD: D. 01.30–01.45, 06.15–06.30 contains important information on upcoming shows and schedule changes.

SCHEDULE READING: There is a schedule reading of the AFRS Shortwave Master Schedule twice a month on the 1st and 15th GMT at times announced on Conference Period.

ANNOUNCEMENT: "This is the United States Armed Forces Radio and Television Service, The Voice of Information and Education".

VERIFICATION by QSL-card. Return postage not required.

PROGRAM-SCHEDULE available on request.

WORLD WIDE BROADCASTING SYSTEM

ADDRESS: One East 57th Street, New York 22, N.Y. Cable: "Shortwave".

LEADING PERSONALITY: President: Walter S. Lemmon.

FOREIGN SERVICE

STATIONS: R. Boston "The Voice of Freedom" 50/80/100 kW.

	kc/s	m		kc/s	m		kc/s	m
WRUL1	9530	31.48	WRUL4	11740	25.55	WRUL5	15350	19.54
WRUL2	9585	31.30	WRUL4	11780	25.47	WRUL5	17750	16.90
WRUL2	9675	31.01	WRUL5	15280	19.63	WRUL5	17780	16.87
WRUL3	11730	25.58	WRUL5	15285	19.63			

EUROPEAN SERVICE: 19.00–21.50 (exc. Sat.) in 31, 25, 19 m.b.
Dutch: Sun. 20.00–20.15 (Lutheran Progr.).
Swedish: Mo. 20.00–20.30 (Lutheran & Cultural Progr.).
Norwegian: Tues. 20.00–20.30 (Lutheran & Cultural Progr.).
English: Mo., Tues. 20.30–21 45, Wed., Thurs., Fri. 20.00–21.45, Sun. 20.15–21.45.

LATIN AMERICAN SERVICE: 23.15–02.00(Sat., Sun. 01.00) in 31, 25 & 19 m.b.

English: 23.15–00.15. – Spanish: 00.15–02.00 (Sat., Sun. 01.00). – Portuguese (Newscast for Brazil): Mo.-Fri. 22.45.

ANNOUNCEMENT: "This is the Voice of Freedom, Station WRUL in Boston, Massachusetts, U.S.A.".

INTERVAL-SIGNAL: New World Symphony. Verification by QSL-card.

PRIVATE STATIONS

EDUCATIONAL STATIONS (non-comm.)

ADDRESS: U.S. Office of Education, Washington 25, D.C.

LEADING PERSONALITY: Dr. Franklin Durham.
30 A. M. stations and 104 FM stations all less 10 kw.

MUNICIPAL BROADCASTING SYSTEM (non-comm.)

ADDRESS: Studios: Municipal Building, New York 7. – Transmitter: 10 Kent Street, Brooklyn, N.Y.

LEADING PERSONALITIES: Under direct supervision of Honorable Robert F. Wagner, Mayor of the City of New York. – Director: Seymour N. Siegel. Executive Officer: John D. Prospo. Program Director: Bernhard R. Buck. Chief Engineer: W. H. Pitkin.

STATIONS:
WNYC 830 kc/s 361.2 m 1 kW: 11.00–03.00 – WNYC-FM 93.9 mc/s 1 kW: 11.00–08.00.

GENERAL ELECTRIC COMPANY

ADDRESS: Post Office Box 47, S. Francisco, California.

STATION: WGEI 100 kW.

TO LATIN AMERICA: Winter frequency to Latin America 9550 kc/s. Summer frequency to be assigned in 19 m b. – Spring and Fall frequencies to be assigned in 25 m b.

ANNOUNCEMENT: „University of the air",

COMMERCIAL STATIONS

Abbreviations:

Alas = Alaska	Ill = Illinois	N.Y. = New York
A = Alabama	I = Iowa	Ne = Nebraska
Ar = Arkansas	Id = Idaho	N.C. = New Carolina
C = California	K = Kansas	N.M. = New Mexico
Co = Colorado	Ke = Kentucky	O = Ohio
Con = Connecticut	L = Louisianna	Ok = Oklahoma
Corp. Chr. = Corpus Christi	Ma = Massachusetts	Te = Texas
	Mi = Michigan	T = Tennessee
Fl = Florida	Mis = Missouri	W = Washington
Ge = Georgia	Min = Minneapolis	Wy = Wyoming
	M = Maryland	Wi = Wisconsin

Medium Wave Stations, 10 kW and more. 2430 stations less 10 kW. Stations operate mostly between approx. 11.30–05.00 in winter and 10.30–04.00 in summer.

kc/s	kW	call	town/prov.
640	50	KFI	L. Angeles C.
650	50	WSM	Nashville T.[2])
660	50	KFAR	Fairbanks A.[1])[2])
660	50	WRCA	NewYorkN.Y.[2])
670	50	WMAQ	Chicago Ill.[2])
680	50	KNBC4	S.Francisco C.
680	10	WCBM	Baltimore M.
680	50	WNAC	Lawrence Ma.
680	50	WPTF	Raleigh C.[2])
680	10	WMPS	Memphis T.[1]
680	50	KBGS	S.Antonio Te.[3])
690	50	WVOK	Birmingh. A.
690	10	KGGF	Coffeyville K.[1])
690	10	KEPO	El Paso Te.
690	10	WCYB	Bristol V.
700	50	WLW	Cincinnati O.[2])
710	10	KMPC	L. Angeles C.
710	50	WGBS	Miami Fl.[3])
710	10	KTBS	Shreveport L.
710	10	WHB	Kansas City K.
710	50	WOR	N.York N.Y.
710	10	KGNC	Amarillo Te.[2])
710	50	KIRO	Seattle W.[3])
710	10	KFBC	Cheyenne Wy
720	50	WGN	Chicago Ill.
730	10	KFQD	Anchorage, Alas
740	10	KBIG	Avalon C.
740	50	WBAM	Mtgmery, Alas.
740	10	KBIG	Avalon Cal.
740	10	WPAQ	Mt. Airy, N.C.
740	50	KCBS[3])	S. Francisco C.
740	50	KRMG	Tulsa Ok.[1])
740	50	KTRH	Houston Te.[3])
750	50	WSB	Atlanta Ge. [2])
750	10	KXL	Portland Or.
760	50	WJR	Detroit Mi.[3])
770	50	KOB	Albuquerque N. Me.[2])
770	50	WABC4	N. York N.Y.
770	50	WJZ	N. York, N.Y.
780	50	WBBM	Chicago Ill.[3])
810	50	KGO	S.Francisco C.[1])
810	50	KCMO	Kansas C., Mo.[1])
810	50	WGY[2])	Schenect.N.Y.
820	50	WFAA	Dallas Te.[2]) (also 570 kc/s)
820	50	WBAP	Ft. Worth Te.[2]) (also 570 kc/s)
830	50	WCCO[3])	Minneapolis[3])
840	50	WHAS[3])	Louisville Ke.
850	10	WILD	Birmingh. A.
850	50	KOA	Denver Co.[2])
850	50	WHDH	Boston Ms.
850	10	WNAO	Raleigh N.C.[1])
860	10	KTRB	Modesto Cal.
860	10	WERD	Atlanta, Ga.
860	10	WOAY	Oak Hill W., Va.
860	10	KOAM	Pittsburg K.[2])
870	50	WWL[3])	N. Orleans L.
880	50	WCBS[3])	N. York. N.Y.
890	50	WENR	Chicago Ill.
890	50	WLS	Chicago Ill.
900	10	KFRB	Fairbanks, A.
900	50	KFRE	Fresno C.[3])
940	50	WINZ	Hollywood Fl.
940	10	WMAZ	Macon Ge.[3])
940	10	KIOA	Des Moines I.
990	10	KTKT	Tucson, Ariz.
990	10	WHOO	Orlando Fl.
990	10	WIBG	Philadelphia
990	10	WNOX	Knoxville T.[3])
990	10	KFDX	Wich. Falls Te
1000	50	WCFL	Chicago Ill.
1000	50	KOMO	Seattle W.[2])
1010	10	WEAS	Decatur Ge.
1010	25	KRVN	Lexington Ne.
1010	50	WINS	N.York N.Y.
1010	10	KLRA	Little Rk., Ark.[1])
1020	10	KPOP	Los Ang., Cal.
1020	50	KDKA[2])	Pittsburgh
1030	50	WBZ	Boston Ma.[2])
1030	10	KOB	Albuquerque N. Me.
1030	50	KWBU	Corp.Chr.Te.
1040	50	WHO	Des Moines I.[2])
1050	50	WMGM	N.York. N.Y.
1060	10	KXOC	Cluco, Cal.
1060	50	WNOE	N. Orleans L.
1060	50	KYW	Philadelphia[2])
1070	10	WAPI	Birmingh. A.[3])
1070	50	KNX	L. Angeles C.[3])
1070	50	WIBC	Indianapolis
1070	10	KFBI	Wichita K.[1])
1070	50	WDIA	Memphis T.
1070	10	WKOW	Madison Wi.
1080	50	WTIC	Hartford Con.[2])
1080	10	WREX	Duluth, Minn.
1080	10	KWJJ	Portland Or.
1080	50	KRLD	Dallas Te.
1090	50	KTHS	Little Rk., Ar.[3])
1090	50	WBAL	Baltimore M.[2])
1090	50	KING	Seattle W.[1])
1100	50	WTAM	Cleveland O.[2])
1110	10	KXLA	Pasadena C.
1110	50	KFAB	Omaha N.[3])
1110	50	WBT	Charlotte C.[3])
1120	50	KMOX	St. Louis Mis.[3])
1130	50	KWKH	Shreveport L.[3])
1130	10	WCAR	Detroit Mi.[1])
1130	50	WDGY	Minneapolis
1130	50	WNEW	N. York N.Y.
1140	10	WMIE	Miami Fl.[3])
1140	10	KGEM	Boise Id.[1])
1140	10	KSOO	Sioux F., S.D.[1])
1140	50	WRVA	Richmond V.
1160	50	WJJD	Chicago Ill.
1160	50	KSL	Salt Lake City[3])
1170	10	WJJJ	Mtgomery, Ala.
1170	50	KVOO	Tulsa Ok.[2])
1170	50	WWVA	Wheeling W V.
1180	50	WHAM	Rochest. N.Y.[2])
1190	50	WOWO	Ft. Wayne[2])
1190	50	KEX	Portland Or.[1])
1190	50	KLIF	Dallas, Tex.
1200	50	WOAI	S. Antonio Te.[2])
1210	50	WCAU	Philadelphia[3])
1220	50	WGAR	Cleveland O.[3])
1240	10	KFBC	Cheyenne, Wyo.
1500	50	WTOP	Washingt.D.C.[3])
1500	10	WJBK	Detroit Mi.
1500	50	KSTP	St. Paul Min.[2])
1510	50	WLAC	Nashville Te.[3])
1510	50	KGA	Spokane W.[1])
1520	50	WKBW	Buffalo N.Y.
1520	50	KOMA	Okla. City Ok.[3])
1530	50	KFBK	Sacramento C.[1])
1530	50	WCKY	Cincinnati O.
1530	50	KBGT	Harlingen Te.[3])
1540	50	KXEL	Waterloo I.
1540	50	WPTR	Albany N.Y.
1540	10	KCUL	Ft.Worth,Tex.
1550	10	WBSC	Bennetsv. S.C.
1550	10	KEAR	San Mateo Cal.
1560	10	WQXR	N.York N.Y.
1560	10	KPMC	Bakersfild. Cal.[1])
1560	10	WAGC	Chattang. Tenn.
1580	10	KOWL	St. Monica, Cal.

+2430 FM-stations less 10 kW and 591 FM-stations. Comm.

[1]) **AMERICAN BROADCASTING CO. A.B.C. (Comm.)**

ADDRESS: 1501 Broadway, New York 36, N.Y.

LEADING PERSONALITIES: Vice-President of the American Broadcasting Division: Earl E. Anderson. – President: Leonard U. Goldensohn. – Treasurer: Simon B. Siegel. – Secretary: Edith Schaffer.

[2]) **NATIONAL BROADCASTING COMPANY (Comm.)**

ADDRESS: Radio City, New York 20, N.Y.

DAILY PROGRAMS: 13.00–04.15. – **World News Round up** from New York, pickups via shortwave: 14.00. – **News of the world** from Washington: 04.00–04.15.

[3]) **COLUMBIA BROADCASTING SYSTEM (Comm.)**

ADDRESS: 485 Madison Square, New York 22.

LEADING PERSONALITIES: Chairman of the Board: William S. Paley. – President: Frank Stanton. – Secretary: Julius F. Brauner. – Man. Service Division: Anne Harding.

MUTUAL BROADCASTING

SAINT-PIERRE ET MIQUELON

RADIO ST. PIERRE (Govt.)

ADDRESS: Gouverneur de ils Saint-Pierre et Miquelon, Amérique du Nord.

LEADING PERSONALITIES: Gouverneur du territoire. Dir. Information and Broadcasting: P. Passani.

HOME SERVICE in French:
560 kc/s 535 m 0.25 kW W. 23.00–24.00. Sun. 22.00–24.00

N.: W. 23.00–23.20. Sun. 23.30–23.45. – Time-Sig.: 23.20. – "Chronique de l'UNESCO": Sun. 23.45–23.50. – Request Progr.: Mo. 23.20–00.00.

ANNOUNCEMENT: "Ici Radio – Saint Pierre, Territoire de iles de St. Pierre et Miquelon".

INTERVAL-SIGNAL: Transmissions open with "Bonsoir Lili" (musical box) and "Marche Lorraine", close down "Marseillaise".

VERIFICATION by letter. Return postage required.

UNITED NATIONS

Total population of Member States (60) of the United Nations approx. 1.800.000.000.

ADDRESS: Radio Division, United Nations, New York. Cable: Unations, New York.

The E. B. U. Bulletin

is the best and the most up-to_date of all international publications dealing with broadcasting and television.

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Paraît tous les deux mois

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Les RAPPORTS d'ECOUTE MENSUELS (ondes courtes) et TRIMESTRIELS (ondes moyennes et longues dans la Zone européenne de radiodiffusion)

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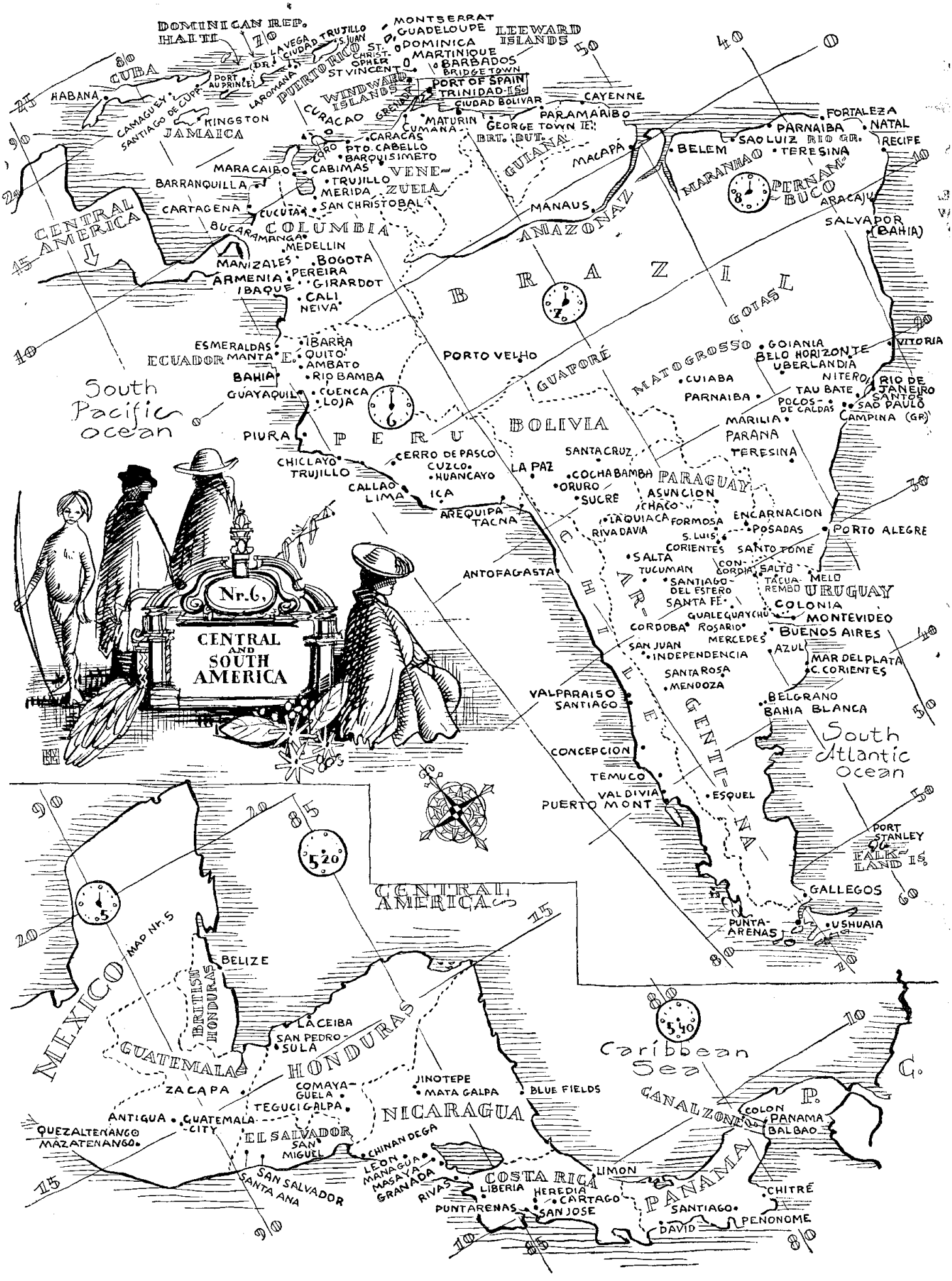


map Central America South America

LEADING PERSONALITIES: Dir. of United Nations Radio Division: Peter Aylen. Chief of Production: W. Gibson Parker. Chief of Central Radio Services: Hugh Williams. Chief of Special Projects: Gerald Kean. Regional Chiefs: Eugenio Soler-Alonso. Michael Hayward, Hans Van Stuwe, Paul Bouchon, Vladimir D. Loginov, Mike Peng, N. Rashed, Aly Khalil. Reports Desk: G. L. Obhrai. Technical Service: A. E. Barrett. Television Service: Emery Kelen.

SCHEDULE OF SHORT-WAVE BROADCASTS:

EASTERN EUROPE: Mo., Fri.: **Russian Progr.**: 17.00 on 11720 kc/s.

E. AND S. EUROPE AND MIDDLE EAST: Mo.-Fri. WNBC 9550, WDSI 11870 kc/s.

18.00 **English** N.	18.20 **Arabic** N. (Jordan)	
18.10 **Hebrew** N.	18.30 **Arabic** N.	19.30 **Serbo-Croat** N.
18.15 **French** N.	18.45 **Turkish** N.	19.51 **Dutch** N.

S. EUROPE AND MIDDLE EAST: Tues to Sat. Tangier Two 9615, Tangier Ten 7200 kc/s.

04.06 **English** N.	04.40 **Amharic** N.	05.00 **Arabic** (Cyprus)
04.15 **Persian** N.	04.50 **Arabic** N. (Syria)	05.05 **Greek** N.
04.30 **Duri** N.	04.55 **Arabic** N. (Egypt)	

This programme is transmitted to Tangier at 04.00–05.15 on WLWO 6040 kc/s and 9545 kc/s.

EUROPE AND MIDDLE EAST:

Tues.–Sat. 16.00–17.45 on WNBC 15280, 20.00–22.15. WDSI 11870, 20.00–24.00 WNBC 9550.
Broadcast in **English and French** of meetings of the General Assembly and Security Council when in session.

LATIN AMERICA AND CARIBBEAN:

Mo.-Fri. 23.00–24.00 WDSI 15270 and WNBC 11890 – 23.00–00.20 WGEO 9530 – 23.45–24.00 on WLWO 11710 – 00.00–00.20 WDSI 9650 and 11790 kc/s.
23.00–24.00: **Spanish N. and Progr.** – 00.00–00.15: **Portuguese Progr.** – 00.15–00.20: **French N.**

LATIN AMERICA:
Tues.–Sat.: 02.00–03.00: **Spanish N.** and Progr. on KNBH 11755, 650, WLWO 11710, 9700 kc/s.

LATIN AMERICA:
15.30–18.00 on WNBC 17805 kc/s. 20.00–22.45 on WNBC 17780 kc/s
Broadcast in **Spanish** of meetings of the General Assembly and the Security Council when in Session.

SOUTH W. PACIFIC:
Tues. to Fri. 01.15–01.20. **English N.** and Progr. on KNBH 15250, 17800 kc/s.
Sat. only: 01.15–01.30 **English N.**; 03.00–03.05: **English N.** and Progr. on KNBH 15250, 17800 kc/s.

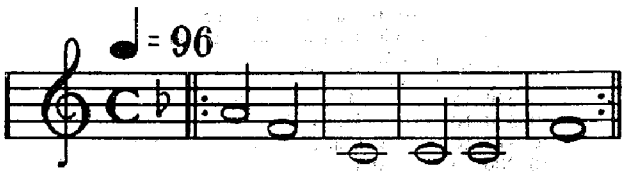
S. EAST ASIA:
Tues. to Sat. on Manila I 15245 kc/s.
10.00 Tagalog Progr., 10.10 **Indonesian N.**, 10.20 **Thai N.** (Transmitted to Manila 07.30–08.00 on KNBH 9515, KCBR 9600, KCBR 6185 kc/s).
Sat. 01.30–01.45: **French** Progr. (Saigon) on Manila I 11895 kc/s, Manila II 15340 kc/s.
(Transmitted to Manila 01.00–01.15 on KNBH 15270 kc/s. KNBH 17830 kc/s.).

FAR EAST:
Tues.-Sat. 10.30–11.00 **Chinese Progr.** on Manila I 15245 kc/s (Transmitted to Manila 08.00–08.30 on KNBH 9515, KCBR 9600, KCBR 6185 kc/s).
D. 10.15–10.30 **Korean N.** on Manila II 9670 kc/s, Manila III 11895 kc/s (Transmitted to Manila 08.30–08.45 on KNBH 9515 kc/s, KCBR 9600 kc/s, KCBR 6185 kc/s).

TO EUROPE FROM UN INFORMATION CENTRE GENEVA SWITZERLAND on HBQ 6675 kc/s.
Mo.-Fri.: 18.15: **UN Feature Progr.***) 18.30: **English N.** 18.45 **French N.****)
*) English: Mo., Wed., Fri. **) French: Tues., Thurs.

ANNOUNCEMENT: "This is the United Nations calling the Peoples of the World". This introductory phrase is used in all the official UN programs in all of the languages concerned.

INTERVAL-SIGNAL:



Message to Listeners: The Radio Division is anxious to establish contact with as many listeners as possible and will gladly acknowledge all communications. All correspondents will receive a United Nations Radio Verification Card, new correspondents being sent a programme schedule and some general information about the United Nations and the specialized Agencies. – Correspondence, requests for copies of the schedule of UN broadcasts, which can be heard in the United States, should be addressed to: United Nations, N.Y., U.S.A. or to the Director of the nearest UN Information Centre. These centres are located in Athens, Belgrade, Bogota, Buenos Aires, Cairo, Copenhagen, Geneva, Karachi, London, Mexico City, Monrovia, Moscow, New Delhi Paris, Prague, Rio de Janeiro, Shanghai, Jakarta, Manila, Sydney, Teheran and Washington.

CENTRAL AMERICA

BAHAMAS

BAHAMAS BROADCASTING SERVICE (Govt.)

ADDRESS: Communication Dept. P.O. Box 48. Nassau.
Cable: "Gentel". – LEADING PERSONALITY: Dir. K. R. Igraham

HOME SERVICE in English: ZNS 1540 kc/s 195 m 5 kW 12.00–03.00 Local N.: 18.15. Official Broadc. and Progr. Preview: 17.30. – BBC relays 22.15. – VOA relays 18.30. – VERIFICATION by QSL-card/letter.

BARBADOS

BARBADOS REDIFFUSION SERVICE LTD.
(Operated by Cable & Wireless Ltd.).

ADDRESS: Trafalgar St., Bridgetown, M.5.

STATION: ZNX32 7547 kc/s 39.75 m 5 kW in English.
International cricket, tennis and turf club race meetings beamed to Trinidad, British Guiana & Jamaica approx. 16.30–21.30 Sat. and Thurs. at the beginning of March and August and medio November only.

VERIFICATION by letter.

BERMUDA

BERMUDA BROADCASTING CO. LTD., (Comm.)

ADDRESS: Radio Station ZBM Pitts Bay Road, Hamilton. Cable: ZBM, Bermuda.

LEADING PERSONALITIES: Pres.: H. J. Tucker jun. Gen. Man.: R. G. Wilmot. Comm. Man.: W. Staskow. Dir. Progr.: D. Carey.

HOME SERVICE in English and Portuguese:
ZBM1: 1235 kc/s 242.9 m 0.25 kW: W. 10.00–04.00. – Sun. 12.30–03.00.
ZBM2: 1340 kc/s 223.3 m 0.25 kW: W. 14.00–22.00. Sun. 13.00–03.00.
N.: 11.45, 16.45, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 01.00, 02.00, 03.30. Portuguese 1½ hours per week.

ANNOUNCEMENT: "These are the stations of the Bermuda Broadcasting Comm. This is ZBM1 (or ZBM2)." – VERIFICATION by letter or QSL-card. Return postage appreciated, but not demanded.

COSTA RICA

All stations commercial except TIFC and TIUCR.
Language **Spanish** except where indicated.

STATIONS:
Short Waves

Call	kc/s	m	kW	m.w.		
TIGPH	5875	51.06	1	605	Alma Tica	12.00–04.00
TIQ	5995	50.08	1	555/1175	R. Casino	12.00–05.00
TIHBG	6006	49.95	0.75	690	R. Cristal	12.45–05.00
TIFC-2	6037	49.69	0.3	995/1015	Faro del Caribe	12.00–05.00
TIGG	6075	49.38	0.5	1060	R. Excelsior	12.00–05.00
TIRH	6150	48.78	0.25	970	R. El Mundo	02.30–05.00
TILS	6165	48.66	2	880	Para Ti	16.00–04.30
TIGPH4	6180	48.54	3	800	Nueva Alma Tica	12.00–05.00
TIDCR	9615	31.20	3	625	Diario de Costa Rica	12.00–05.00
TIFC-3	9645	31.10	1	995/1015	Faro del Caribe	12.00–05.00
TINRH	9692	30.953		710	La Voz de Costa Rica	15.00–17.00 22.00–03.00

Medium Waves

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
TILJ	535	0.9	1)	TIJJC	1080	1.5	14)
TIQ	555	0.2	5995	TISM	1125	1	15)
TIJJM	575	1.5	2)	TILX	1150	2	16)
TIJC	590	2	3)	TIQ	1175	0.5	5995
TIGPH	605	6.5	5875	TIBSD	1195	1	17)
TIDCR	625	6	9615	TIALC	1210	3	18)
TIBAS	650	8	4)	TIUCR	1235	1	19)
TIU	670	2	5)	TIGV	1250	3	20)
TIBH	690	2	6006	TISBJ	1275	2	21)
TINRH	710	0.75	9692	TIJC	1300	2	22)
TIRA	735	1	6)	TICRC	1325	2.3	23)
TIW	750	3	7)	TIMAR	1350	1	24)
TIWW	775	1	7)	TIJR	1375	1	
TIGPH2	800	3	6180	TIRA	1400	1	25)
TISA	830	3	8)	TIAM	1425	2	
TICS	855	5	9)	TIXLA	1450	2	
TILS	880	5	6165	TIRB	1470	2	
TILC	900	5	10)	TIXX	1490	3	26)
TIOS	940	0.5	11)	TILA	1530	1	28)
TIAC	955	2	12)	TIRC	1550	1	
TIRH	970	0.5	6150	TIRE	1570	2	29)
TIFC-1	995	10	{ 9645	TIGSO	1590	3	
TIFC-4	1015	0.5	} 6037	TIJH	1605	1	
TIWG	1040	0.5	13)	+ 4 low power stations less than			
TIGG	1060	1	6075	1 kw			

Where no times indicated, regular schedule: 12.00–05.00.

Location San Jose exc. where indicated:
1) R. Zurgui, S. Vicente Mora. 2) Ecos del Poas, Alajuela. 3) Radiopolis. 4) R. Monumental. 5) R. Musical. 6) America Latina. 7) R. City. 8) La Voz del Tropico. 9) La Voz de America. 10) R. Hispana, Cartago. 11) Titania. 12) R. Accion Catolica. 13) R. Sonora. 14) R. Belgrano. 15) Reina del Espacio. 16) R. Columbia. 17) R. Paramount. 18) R. Universal. 19) R. Universidad. 20) R. Independiente. 21) R. Libertad. 22) R. Musical. 23) Cia. Radiodif. Costarricense. 24) R. Tropical, Heredia. 25) R. Discolandia. 26) R. Costa Rica. 27) Ondas del Golfo, Golfito. 28) La Voz del Universo, Heredia. 29) R. Emmaus.

ALMA TICA – 5875/605 kc/s: ADDRESS: Apartado 800, San Jose. LEADING PERSONALITY: Dir. and Owner: Gonzalo Pinto H.

R. CASINO – 5995/555, 1175 kc/s: ADDRESS: Limon. LEADING PERSONALITY: Dir. and Owner: Francisco Garron S.

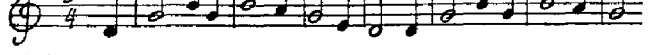
R. CRISTAL – 6006/690 kc/s: ADDRESS: Apartado 341, San Jose. LEADING PERSONALITY: Dir. and Owner: Roger Baraliona G. ANNOUNCEMENT: "Emisoras de Radio Cristal en San Jose". VERIFICATION by letter.

FARO DEL CARIBE – 6037, 9645/995, 1015 kc/s:

ADDRESS: Apartado 2710, San Jose. LEADING PERSONALITIES: Dir.: Filipe Smith. Dir. Tec.: David Solt.

DAILY PROGRAMMES: Spanish: W.: 12.00–03.55. Sun.: 13.00–15.00, 20.00–03.55. – N. in Spanish: W.: 12.25, 18.30, 02.30. – "The Classical Hour" (La Hora Clasica): W. 19.00. – "Musical Album" (Album Musical): Mo.-Fri. 22.30, Sat. 23.00. – "Symphony Hour" (La Hora Sinfonica): W.03.00. English: D. 03.55–05.00. N.: W. 03.55. – "Miracles and Hymn History": Mo. 04.00–04.30. – "Hour of Decision": Mo. 04.30–05.00. – "Back to the Bible": Tues. 04.00–04.30. – "Greatest Story Ever Told": Wed. 04.00–04.30. – "The Calvary Hour": Wed. 04.30–05.00. – "On Wings of Song": Thurs. 04.00–04.30. – "Songs in the Night": Fri. 04.00–04.30. – "The Bible Study Hour": Sat. 04.30–05.00.

ANNOUNCEMENT: Spanish: "Este es TIFC, Faro del Caribe, illuminando el sendero de la vida". English: "This is TIFC Lighthouse of the Caribbean, lighting the pathway of life from San Jose, Costa Rica". – VERIFICATION by QSL-card.



R. EXCELSIOR – 6075 kc/s:

ADDRESS: Apartado Postal 1774, San Jose.

LEADING PERSONALITY: Dir. and Owner: Guillermo Grillo O.

ANNOUNCEMENT: "Emisoras de Radio Excelsior en San Jose, Costa Rica, Centroamerica". – VERIFICATION by QSL-card or letter

R. EL MUNDO – 6150/970 kc/s:

ADDRESS: San Jose. LEADING PERSONALITY: Dir. and Owner: Rafael Hine Ch.

PARA TI – 6165/880 kc/s:

ADDRESS: Apartado 3, San Jose. LEADING PERSONALITY: Dir. and Owner: Walter Fernandes P.

NUEVA ALMA TICA – 6180/800 kc/s:

ADDRESS: Apartado 800, San Jose. LEADING PERSONALITIES: TIGPH4: Dir.: Leonel Pinto H. TIGPH2: Dir.: Gonzalo Pinto H.

DIARIO DE COSTA RICA – 9615/625 kc/s:

ADDRESS: San Jose. LEADING PERSONALITY: Dir. and Owner: Mariono Sanz Soto.

LA VOZ DE COSTA RICA – 9692/710 kc/s:

ADDRESS: Lista de Correo, San Jose. LEADING PERSONALITY: Dir. and Owner: Amando Cespedes M.

D. PROGR.: N.: Sun. 00.00–01.00.

ANNOUNCEMENT: "La Voz de Costa Rica".

VERIFICATION by QSL-card.

CUBA

All stations commercial exc. COX4/COX7. Language: Spanish.

STATIONS: Short Waves: H=Habana. C=Circuito.

Call	kc/s	m	kW	m.w.		H. tr.
COX7	4290	69.63	5	1560	Ministerio de Education	H. 14.00–04.00
COCW	5045	59.46	1	550	C. Nacional Cubano	H. 11.55–05.01
CMA5	5780	51.90	1		Cuban Transatlantic Radio Corporacion	H.
COCO	6010	49.92	5	980	Periodico del Aire	H. 11.55–05.05
COCD	6130	48.94	1	790	La Voz del Aire	H. 12.30–05.00
COCY	6450	46.51	1	590	R. Siboney	13.00–05.05
CMA5	8630	34.76	1		Cuban Transatlantic Radio Corporacion	H.
COBZ	9026	33.23	1	830	R. Salas	11.55–06.00
COBQ	9235	32.49	1	1420	R. Onda Musical Cubana	24 hours
COBC	9362	32.05	5	690	R. Progreso	H. 10.30–06.00
COCO	9535	31.46	5	980	Periodico del Aire	H. 11.55–05.05
COBQ	9540	31.45	1	1420	R. Onda Musical Cubana	24 hours
COJK	9620	31.19	1	920	Voz del Camagüeyana Camagüey	13.00–04.30
COX4	9640	31.12	5	1560	Ministerio de Educacion	H. 14.00–04.00
COCQ	9670	31.02	25	630	Circuito CMQ	H. 10.53–05.31
COKG	9740	30.80	25	630	Cadena Oriental de Radio, Stgo. de Cuba	11.55–06.00
CMA5	11560	25.92	1		Cuban Transatlantic Radio Corporacion	H.
COCY	11740	25.55	1	590	R. Siboney	13.00–05.05
COBH	11800	25.42	1	740	R. Cadena Habana	H. 12.00–06.00
CMA5	15505	19.34	1		Cuban Transatlantic Radio Corporacion	H.
CMA5	17260	17.05	1		do. do.	
COBZ	17820	16.84	1	830	R. Salas	H. 11.55–06.00
COBC	17850	16.81	1	690	R. Progreso	H. 10.30–06.00
COCY	21620	13.87	1	590	R. Siboney	13.00–05.05

Medium Waves: (1 kW and more).
All the stations in the provinces of Pinar del Rio, Matanzas, Las Villas, Camaguey and Oriente are affiliated and operated from Habana in circuits at the same hours, but for Nacional programs only.
Pinar del Rio Province. Approx. 11.00–05.00.
CMAB 740 kc/s 405 m 5 kW Emisora CMAB – CMAN 840 kc/s 357 m 1 kW C. Nacional Cubano – CMAQ 920 kc/s 326 m 1 kW Circuito CMQ. + 6 low power m.w. stations.

Habana Province

Call	kc/s	m	kW	s.w.		H. tr.
CMW	550	545	2.5	5045	C. Nacional Cubano	11.55–05.01
CMCY	590	508	15		*La Voz del Indio (R. Siboney)	13.00–05.05
CMQ	630	476	25	9670	C. CMQ	10.53–05.31
CMCU	660	455	5		R. Garcia Serra	12.00–05.15
CMBC	690	435	50	{ 9362 { 17850	R. Progreso	10.30–06.00
CMCA	730	411	10		R. Mambi	13.00–05.00
CMCD	760	395	10	6130	La Voz del Aire	12.30–05.01
CMCH	790	380	10	11800	R. Cadena, Habana	12.00–06.00
CMBZ	830	361	5/1	{ 9026 { 17820	R. Salas	11.55–06.00
CMBL	860	349	15		R. Cadena Suaritos	14.00–05.00
CMCF	910	330	10		Union Radio	11.30–06.00
CMBF	950	316	10	9670	Onda Musical C. CMQ	10.53–05.31
CMCK	980	306	5	6010	Periodico del Aire	11.55–05.05

CMBQ	1010	297	5		R. Continental	12.55–06.00
CMCX	1060	283	10		Onda Hispano Cubana	13.00–05.00
CMCI	1260	238	5	9740	Cadena Oriental de Radio	11.55–06.00
CMCB	1330	226	1		R. Reloj (Radiocentro)	10.53–05.31
CMZ	1560	192	5	4290 / 9640	Ministerio de Education	14.00–04.00

+14 low power m.w. stations less than 1 kW.
*) 6450/11740/21620 kc/s.

Matanzas Province
7 low power m.w. stations.

Santa Clara Province. Location: Sta. Clara exc. where indicated.
Approx. 11.00–05.00

CMHI	570	526	10	C. Nacional Cubano
CMHQ	640	469	15	C. CMQ

+ 21 low power m.w. stations of 1 kW or less.

Camaguey Province (Camaguey City). Approx. 11.00–05.00.

CMJL	920	326	5	CMQ
CMJD	1160	259	1*	

+ 23 low power stations of 1 kW or less. *) s.w. 9620.

Oriente Province. Approx. 11.00–05.00.

CMKM	560	536	5	Union R. Holguin
CMKJ	740	405	5	C. CMQ, Holguin
CMKL	800	375	2*	Cadena Oriental de Radio, S. de Cuba
CMKU	850	353	2	C. CMQ, S. de Cuba

+ 38 low power m.w. stations of 1 kW or less. *) s.w. 9740.
FM: 19 stations.

MINISTERIO DE EDUCACION – 4290, 9640/1560 kc/s.
ADDRESS: Concejo Corporativo, Columbia, Habana.

CIRCUITO NACIONAL CUBANO – 5045/550 kc/s.
ADDRESS: Calle O. Num. 216, Vedado, Habana.

CUBAN TRANSATLANTIC RADIO CORPORACION – 5780, 8630, 11560, 15505, 17260 kc/s.
ADDRESS: Obispo y Aguiar, Habana.

PERIODICO DEL AIRE – 6010, 9535/980 kc/s.
ADDRESS: Calzada de Simón Bolivar 314, Habana.

LA VOZ DEL AIRE – 6130/760 kc/s.
ADDRESS: Hotel Palace, 25 y G. Vedado, Habana.
VERIFICATION by QSL-card.

R. SIBONEY – 6450, 11740, 21620/590 kc/s.
ADDRESS: Paseo de Marti, 53, Habana.

R. SALAS – 9026 17820/830 kc/s.
ADDRESS: San Rafael 108, Habana.

R. ONDA MUSICAL CUBANA – 9235/9540 kc/s.
ADDRESS: Vista Alegre 269, Vibora, Habana.

RADIO PROGRESO – 9362, 17850/690 kc/s.
ADDRESS: Ave. Menocal No. 105, Habana.
VERIFICATION by letter.

LA VOZ DEL CAMAGÜEYANO – 9620/920 kc/s.
ADDRESS: Finlay No. 4, Camagüey.
DAILY PROGR.: Relay CMQ.

CIRCUITO CMQ – 9670/630, 950, 1330 kc/s.
ADDRESS: Radiocentro, Vedado, Habana.
LEADING PERSONALITIES: President: G. Mestre. Deputy President: A. Mestre. Vice-President: A. Chabau, M. Chores, R. Puig. News: (not Mo.) 11,00, 11.21, 11.31, 11.58, 12.40, 15.55 (Sun.), 16.52 (W), 17.25(W), 22.58(W), 01.54(W), 04.00(W), 05.16(W).
ANNOUNCEMENT: "CMQ Desde Radiocentro La Habana".
INTERVAL-SIGNAL: "Canto Siboney" played on organ.
VERIFICATION by QSL-card.

CADENA ORIENTAL DE RADIO – 9740/800 kc/s.
ADDRESSES: COKG/CMKL: Estrada Palma No. 658, Santiago de Cuba. CMCI: Campanario 215, Habana. Cable: "Cor". LEADING PERSONALITIES: Pres.: G. H. Rosell. Technical Dir.: A. M. Fernandez. Dir. Gen.: E. A. Miniet. Dir. News: E. C. Betancourt.
VERIFICATION by QSL-card.

R. CADENA HABANA – 11800/790 kc/s.
ADDRESS: San José Nr. 104, Habana. News: 17.30, 23.00, 01.00.

R. GARCIA SERRA – 660 kc/s.
ADDRESS: Paseo de Marti 260, Habana.

R. MAMBI – 730 kc/s.
ADDRESS: Paseo de Marti No. 107, Habana.

R. CADENA SUARITOS – 860 kc/s.
ADDRESS: Calle 25 No. 1113, Habana.

UNION RADIO – 910 kc/s.
ADDRESS: La Rampa, 23 e Infanta, Habana.

R. CONTINENTAL – 1010 kc/s.
ADDRESS: Prado y Colon, Habana.

R. ONDA HISPANO CUBANA – 1060 kc/s.
ADDRESS: Lamparilla 418, Habana.

ARMED FORCES RADIO AND TELEVISION SERVICE
WGBY Guantanamo (Prov. Oriente) 1430 kc/s 0.025 kW. (USA Navy).

DOMINICAN REPUBLIC

DIRECCION GENERAL DE COMUNICACIONES

ADDRESS: Ciudad Trujillo, Distrito de Santo Domingo.
LEADING PERSONALITIES: Dir.: Gen. de Comunicaciones: Sr. Guarionex Saladin, O. G., M. M., Mayor Técnico de Comunicaciones, E. N.
All stations commercial. Language Spanish.

STATIONS
Short Waves:

Call	kc/s	m	kW	m.w.		
HI2S	3345	89.68	0.2		Emisora HI2S	11.00–05.00
HI3H	3365	89.15	0.5	1490	R. Villa Duerte	11.00–05.00
HI4V	3375	88.89	0.5	1310	R. Baru	11.00–05.00
HI5B	3385	88.63	0.5	1330	Emisora HI5B	11.00–05.00
HI5C	4860	61.73	0.25	1250	Emisora HI5C	11.00–05.00
HI3C	4890	61.35	0.03		La Voz del Papagayo	11.00–05.00
HI9B	4910	61.10	0.5	1050	Broadcasting Hotel Mercedes	11.00–05.00
HI3K	4980	60.25	0.25	1310	Emisora HI3K	11.00–05.00
HI8Z	5030	59.64	0.2	820	Cadena Nacional	11.00–05.00
HI2L	5055	59.36	0.5	790	La Voz del Tropico	11.00–05.00
HI4T	5970	50.25	7.5	620/1350	La Voz Dominicana	11.00–05.00 (Sun. 03.30)
HI1J	6025	49.79	0.1	610	Ondas Nacionales	11.00–05.00
HI1N	6050	49.59	0.7	1220	Emisoras Unidas	11.00–05.00
HI1Z	6112	49.08	1	1350	La Voz de los Muchachos	11.00–05.00
HI1G	6130	48.94	0.25	950	Emisoras HIG	11.00–05.00
HI8Z	6140	48.86	0.5	820	Cadena Nacional	11.00–05.00
HI1R	6160	48.70	0.2	1450	La Voz de Fundacion	11.00–05.00
HI9T	6190	48.47	0.1	1240	Broadc. Tropical	11.00–05.00
HI2G	9590	31.28	0.25	950	Emisoras HI2G	11.00–05.00
HI2T	9735	30.82	7.5	620/1380	La Voz Dominicana	11.00–05.00 (Sun. 03.30)

Medium Waves:

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
HI3J	610	0.5	6025	HI4C	1250	0.25	4860
HI3T	620	10	5970/9735	HI3V	1310	0.5	3375
HIL	790	0.5	5055	HI2K	1310	0.5	4980
HI9Z	820	1/0.1	5030/6140	HI4B	1330	0.5	3385
HIG	950	0.5	6130/9590	HIZ	1350	1	6112
HI8B	1050	1/0.1	4910	HI6T	1380	7.5	9570/9775
HIN	1220	0.75	6150	HI2R	1450	0.25	6160
HI9U	1240	0.25	6190	HI2H	1490	0.2	3365

+ 7 low pover stations. FM: 3 stations.

EMISORA HI2S – 3345 kc/s.
ADDRESS: Ciudad Trujillo.
LEADING PERSONALITY: Dir. & Owner: Sr. Abraham Selman.

R. VILLA DUERTE – 3365/1490 kc/s.
ADDRESS: Ciudad Trujillo.
LEADING PERSONALITY: Dir. & Owner: Sr. Rafael E. Tavarez L.

R. BARU – 3375/1310 kc/s. – ADDRESS: Bani. LEADING PERSONALITY: Dir. & Owner: Sr. Manuel E. Bello Hijo.

EMISORAS HI5B/HI4B – 3385/1330 kc/s

ADDRESS: Santiago.

LEADING PERSONALITY: Dir. & Owner: Sr. Abraham Vanderhorts.

EMISORAS HI5C/HI4C – 4860/1250 kc/s.

ADDRESS: S. Pedro de Macoris. LEADING PERSONALITY: Dir.: Sr. José Raposo Peralta.

LA VOZ DEL PAPAGAYO – 4890 kc/s

ADDRESS: Bella Vista 49, La Romana. LEADING PERSONALITY: Dir.: Sr. A. Herrero H.

BROADCASTING HOTEL MERCEDES – 4910/1050 kc/s.

ADDRESS: Santiago. LEADING PERSONALITY: Dir.: Sr. J. L. Sanchez.

EMISORAS HI3K/HI2K – 4980/1310 kc/s

ADDRESS: Santiago.

LEADING PERSONALITY: Dir.: Sr. R. Candelario Llenas.

CADENA NACIONAL – 5030, 6140/820 kc/s

ADDRESS: Santiago.

LEADING PERSONALITY: Dir. & Owner: Sr. Luis F. Moscoso C

LA VOZ DEL TROPICO – 5055/790 kc/s

ADDRESS: Apartado 335, Ciudad, Trujillo.

LEADING PERSONALITY: Dir. & Owner: Sr. J. C. Pellicer.

VERIFICATION: QSL-card.

LA VOZ DOMINICANA – 5970, 9735/620, 1380 kc/s

FM 100 mc/s

ADDRESSES: HI4T/HI2T/HI3T. Calle Quinta No. 8, Ciudad Trujillo. Cable: "Dominicana". HI6T: Santiago. – LEADING PERSONALITY: Dir. & Owner: Sr. J. Arismendi Trujillo M.

DAILY PROGR.: N.: 21.00–21.25, 03.00–03.30. – Weatherrep.: 01.30. – "Night Club": 04.00–05.00. – ANNOUNCEMENT: "Al Servicio de la Cultura y el Progreso en general, transmite La Voz Dominicana, desde Ciudad Trujillo, Distrito de Santo Domingo, Capital de la Republica Dominicana". – VERIFICATION: QSL-card.

ONDAS NACIONALES – 6025/610 kc/s:

ADDRESS: San Pedro de Macoris. – LEADING PERSONALITY: Dir. & Owner: Sr. F. M. Donastorg. – VERIFICATION: QSL-card.

EMISORAS UNIDAS – 6050/1220 kc/s.

ADDRESS: Santiago.

LEADING PERSONALITY: Dir. & Owner: Sr. Expedi Pou

LA VOZ DE LOS MUCHACHOZ – 6112/1350 kc/s.

ADDRESS: Aptdo. 1092, Ciudad Trujillo.

LEADING PERSONALITY: Dir. & Owner: Sr. F. Hatton.

ANNOUNCEMENT: "Transmite Emisoras HIZ y HI1Z, C. Trujillo, La Republica Dominicana". – VERIFICATION: letter.

EMISORAS HIG – 6130, 9590/950 kc/s.

ADDRESS: Ciudad Trujillo.

LEADING PERSONALITY: Dir.: Sr. A. C. Puello.

ANNOUNCEMENT: "Radiodifusora Nacional, Emisoras HIG". Republica Dominicana".

LA VOZ DE FUNDACION – 6160/1450 kc/s.

ADDRESS: Calle Constitucion, San Cristobal.

LEADING PERSONALITY: Dir. & Owner: Sr. Luis Alberti.

ANNOUNCEMENT: "Transmite la Voz de Fundacion desde San Cristobal, Republica Dominicana."

VERIFICATION by QSL-card.

BROADCASTING TROPICAL – 6190/1240 kc/s.

ADDRESS: Puerto Plata.

LEADING PERSONALITY: Dir. & Owner: Sr. Luis A. Pelegrin.

VERIFICATION by QSL-card.

EL SALVADOR

All Stations commercial exc. Radio Nacional. Language: Spanish.

SHORT WAVES:

Call	kc/s	m	kW	m.w.	
YSDR	4800	62.50	1	820	R. Tropical, 12.30–14.30, 18.00–04.00(Sun. 06.00)
YSWW	5975	50.21	0.25		La Voz del Pueblo, 13.00–15.00, 18.00–20.00, 00.30–04.00
YSS	6010	49.92	5	650	R. Nacional, 18.00–19.00, 00.00–04.00
YSR	6050	49.59	0.75	990	La Voz de El Salvador, 12.00–06.00
YSC	6095	49.38	1	1025	R. Mil Veinticinco, 11.00–06.00
YSJM	6100	49.18	0.3	1150	Difussora YSJM, S. Salvador
YSI	6130	48.94	0.5	1250	R. Intercontinental, S. Salvador 13.00–15.00, 18,00–21.00, 23,00–04.00.
YSP	6150	48.78	0.35	780	La Voz de Cuscatlan, 12.30–05.00
YSHQ	6170	48.62	0.35	950	La Voz del Progreso, 16.00–20.00, 23.00–05.00
YSMA	6180	48.54	0.25	1600	La Voz Suprema de Occidente, 12.30–20.00, 23.00–04.00
YSUA	6188	48.48	0.75	1050	R. Mil Cincuenta, 12.00–05.00
YSCP	6300	47.62	0.3	970	La Voz de la Revolucion, Barrio S. Jacinto
YSO	7220	41.00	1.5	870	La Voz de la Democracia, 12.00–15.00, 17.00–21.00, 23.00–04.00
YSF	9250	32.44	1	840	R. Vanguardia, 18.00–20.00, 00.00–04.00
YSLL	9540	31.45	0.5	1500	S. Salvador en el Aire, 14.00–15.00, 17.00–20.00, 23.00–05.00
YSS	9555	31.40	5	650	R. Nacional, 18.00–19.00, 00.00–04.00
YSYA	11767	25.49	1	1275	R. Victoria, S. Salvador
YSAXA	11945	25.11	1	800	La Voz Panamericana, 12.00–06.00

MEDIUM WAVES:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
YSS	650	462	10	6010/9555	YSC	1025	293	1	6075
YNS	780	385	0.25	6150	YSU	1050	285	1	6188
YSAX	800	375	1	11945	YSEB	1070	280	10	*)
YSDR	820	366	1	4800	YSJM	1150	261	0.07	6100
YSF	840	357	0.3	9250	YSI	1250	240	0.3	6130
YSO	870	345	1.5	7315	YSYA	1275	235	1	11767
YSH	950	316	0.35	6170	YSDF	1330	225	50	**)
YSCP	970	309	0.3	6300	YSLL	1500	200	0.3	9540
YSR	990	303	0.5	6050	YSMM	1600	187	0.5	6180

*) La Voz de Latino America, 5a Calle Pomiente No. 9, San Salvador.
**) La Voz del Tropico, San Salvador.

R. TROPICAL – 4800/820 kc/s

ADDRESS: Avenida Independencia, Santa Ana. – ANNOUNCEMENT: "YSDR Radio Tropical en Santa Ana, El Salvador, Centro America". – INTERVAL-SIGNAL: Gong and xylophone.

LA VOZ DEL PUEBLO – 5975 kc/s

ADDRESS: 4a Calle Poniente, Santa Ana. – VERIFICATION by QSL-card.

R. NACIONAL – 6010, 9555/650 kc/s

ADDRESS: Teatre Nacional, San Salvador. – DAILY PROGR.: "English by Radio": Thurs. 01.00. – INTERVAL-SIGNAL: Gong and xylophone.

LA VOZ DE EL SALVADOR – 6050/990 kc/s

ADDRESS: 41a Avenida Norte y Calle Arce, San Salvador. – ANNOUNCEMENT: "Por la Paz y Solidaridad de El Salvador transmite Y.S.R. en la Capital de la Republica en Centro America".

R. MIL VEINTICINCO – 6095/1025 kc/s

ADDRESS: 14 Avenida Norte No. 29, San Salvador. – ANNOUNCEMENT: "Esta es YSC, Radio 1025, Ondas Populares y Deportivas, en San Salvador, Centro América. Laboramos por la Paz, la Cultura y el Deporte".

R. INTERCONTINENTAL – 6130/1250 kc/s

ADDRESS: Colonia la Rabida, San Miguelito, S. Salvador.

LA VOZ DE CUSCATLAN – 6150/780 kc/s

ADDRESS: Calle Ruben Dario 46, San Salvador.

LA VOZ DEL PROGRESO – 6170/950 kc/s

ADDRESS: 17 Calle Oriente, San Miguel.

LA VOZ SUPREMA DE OCCIDENTE – 6180/1600 kc/s

ADDRESS: 11 C.P. y 12 Av. Sur, Apartado No. 98, Santa Ana. – DAILY PROGR.: N.: 18.00, 19.45, 00.45. – INTERVAL-SIGNAL: Motif from "Navidad Blanca".

R. MIL CINCUENTA – 6188/1050 kc/s

ADDRESS: Avenida Sur No. 50, San Salvador. – DAILY PROGR.: N.: 12.15, 19.30, 04.15. – INTERVAL-SIGNAL: Gong. – VERIFICATION by letter.

LA VOZ DE LA DEMOCRACIA – 7220/870 kc/s
ADDRESS: 6a Calle Oriente No. 28, San Salvador. – VERIFICATION by QSL-card.

R. VANGUARDIA – 9250/840 kc/s
ADDRESS: 7a Calle Oriente No. 62, San Salvador. – ANNOUNCEMENT: "YSF Radio Vanguardia emisora de la juventud desde San Salvador, Centro América". – INTERVAL-SIGNAL: "La Leyenda de un Beso".

SAN SALVADOR EN EL AIRE – 9540/1500 kc/s
ADDRESS: 11a Avenida Sur 21, San Salvador.
VERIFICATION by QSL-card.

LA VOZ PANAMERICANA – 11945/800 kc/s
ADDRESS: 2a Avenida Norte 25, San Salvador. – ANNOUNCEMENT: "YSAX y YSAXA, La Voz Panamericana".

GUADELOUPE (French West Indies)

ADDRESS: R. Diffusion Française Préfecture, Basse-Terre.

HOME SERVICE:
658 kc/s 456 m 1 kW – FG8HA 7430 kc/s 40.40 m 0.05 kW
French from 10.00–11.30, 16.00–17.30 and 22.45–01.00 (Sun. 21.30–22.15). – N. at 10.30, 16.30 and 23.20.

ANNOUNCEMENT: "Ici Radio Guadeloupe, Poste Nationale Français". – INTERVAL-SIGNAL: Guitar.

GUATEMALA

DIRECCION GENERAL DE RADIODIFUSION

ADDRESS: Edificio de la Tipografia Nacional, Calle "18 de Septiembre" y 7a, Av. Sur, Guatemala.
All stations commercial exc. R. Nacional, R. Morse and R. Cultural.
Language: Spanish exc. where indicated.

STATIONS: Short Waves:

Call	kc/s	m	kW	m.w.	
TGTN	5970	50.25	0.5	1340	Voz de la Telefunken, 12.30–06.00
TGNA	5975	50.20	5	1180	R. Cultural, 12.30–14.00, 22.30–03.00
TGAR	5980	50.16	0.4	1270	R. Quetzal
TGJA	5990	50.08	5	880	R. Nuevo Mundo, W.: 13.00–05.00, Sun.: 15.00–03.00
TGOA	6100	49.18	1.2	1140	La Voz de las Americas
TGWB	6180	48.54	1	1520	R. Nacional, 12.25–05.00
TG2	6210	48.31	1	1320	R. Morse, 12.30–14.00, 18.00–03.00
TGTQ	6285	47.73	1	810	R. Internacional, 18.00–20.00, 22.00–08.00(Sun. 14.00–01.00)
TGTA	6335	47.35	0.25	1390	R. Bolivar, 00.00–04.00 R. Sonora
TGCB	6570	45.66	0.2	1190	R. Colonial, 12.00–03.05
TGZA	6665	45.08	0.25		R. Oriental, 12.00–05.00
TGDA	7470	40.16	0.25	1070	La Voz de Occidente, 13.00–14.00, 18.00–19.00, 00.00–03.00
TGNB	9668	31.03	5		R. Cultural 03.00–04.45
TGDX	9700	30.93	1	990	R. Central, 12.00–15,00, 17.00–20.00, 00.00–05.00
TGWA	9760	30.74	10	640	R. Nacional, 23.00–06.00(Sun. 05.00)
TGNC	11850	25.32	5		R. Cultural 03.00–04.45
TGWA	15170	19.78	10	640	R. Nacional, 12.30(Sun. 14.00)–23.00

Medium Waves:

Call	kc/s	m	kW	s.w.
TGW	640	469	10	9760/15170
TGTO	810	370	2	6285
TGJ	880	341	5	5990
TGCQ	990	303	1	9700
TGD	1070	280	0.5	7470
TGO	1140	263	1.2	6100
TGN	1180	254	5	5975
TGCA	1190	252	0.25	6570
TGAQ	1270	236	0.5	5980
TG1	1320	227	1	6210
TGTL	1340	224	0.5	5970
TGT	1390	216	0.25	6335
TGWC	1520	197	1	6180

+ 7 low power stations less than 1 kW.

LA VOZ DE LA TELEFUNKEN – 5970/1340 kc/s

ADDRESS: 12 Calle No. 4–16, Guatemala City. Cable: "Telefunken".

LEADING PERSONALITY: Dir.: Sr. Eduardo Mayorga L.

DAILY PROGRAMMES: Mainly Classical Music.

ANNOUNCEMENT: "Transmite La Voz de la Telefunken, la emisora de los programos exquisitos en Guatemala, Centro America".

VERIFICATION by letter.

RADIO CULTURAL – 5975/1180 kc/s
The international Missionary Radio Stations owned and operated by the Central American Benevolent Association.

ADDRESS: Radio Station TGNA, Apartado 601, Guatemala City.

LEADING PERSONALITIES: Director Rev.: H. Van Broekhoven. Chief-Engineer Rev.: H. L. Garrison (furlough USA).

DAILY PROGR.: Spanish: 12.30–14.00, 22.30–03.00. English: 03.30–04.45 (on 9668/11850 kc/s).

VERIFICATION by QSL-card or letter. Return postage required.

R. QUETZAL – 5980/1270 kc/s

ADDRESS: 12 Avenida 26–27, Zona 5, 3er piso, Ciudad de Guatemala.

RADIO NUEVO MUNDO – 5990/880 kc/s

ADDRESS: 6a Avenida Sur No. 10–45, Guatemala City. Cable: "Cidio".

LEADING PERSONALITIES: Dir. Gen.: G. E. Rosa. Administrator Gen.: L. F. Herrera.

ANNOUNCEMENT: "Radio Nuevo Mundo, Ciudad de Guatemala".

INTERVAL-SIGNAL: First movement of the National Anthem.

VERIFICATION by QSL-card.

LA VOZ DE LAS AMERICAS – 6100/1140 kc/s

ADDRESS: 2a Avenida 13–39, Zona 1, Ciudad de Guatemala.

R. NACIONAL (LA VOZ DE GUATEMALA) – 6180, 9760, 15170/640, 1520 kc/s

ADDRESS: Edificio Tipografia Nacional, Calle 18 de Septiembre y 7a Avenida sur, Guatemala City.

LEADING PERSONALITIES: Dir. Radio Nacional de Guatemala and Dir. Gen. de Radiodifusion de la Republica de Guatemala: Sr. Don José Torón Barrios.

DAILY PROGRAMMES: N.: 23.45–24.00, 04.45–05.00. – Weather-rep.: 12.30–12.35. – Religious Progr.: W.: 12.35–12.45, Sun.: 14.00–14.30 & 15.30–16.00. – National Music: W.: 12.45–13.15, 19.00–19.30, 03.45–04.30. – Request Progr.: Sun. 21.00–23.00. – Sport: Sat. 20.30–24.00. Sun. 15.30–18.30. – Progr. in English: W.: 05.30–06.00.

ANNOUNCEMENT: "TGW y TGWA (or TGWC y TGWB) La Voz de Guatemala en la Nueva Guatemala". – VERIFICATION by QSL-card.

R. MORSE – 6210/1320 kc/s

ADDRESS: La Voz de Quezaltenango, Quezaltenango.

R. INTERNACIONAL – 6285/810 kc/s

ADDRESS: 5a Avenida 10–35, Zona 1, Ciudad de Guatemala.

DAILY PROGR.: N.: W.: 18.15–18.45, 01.15–01.45. Relay BBC: 24.00. 03.15.

ANNOUNCEMENT: "La Voz de la Capital des de Guatemala" in Spanish, English and French. – INTERVAL-SIGNAL: Electrical xylophone. VERIFICATION by QSL-card.

R. BOLIVAR – 6335/1390 kc/s

ADDRESS: Avenida Bolivar 13-201, Ciudad de Guatemala.

VERIFICATION by QSL-card.

R. COLONIAL – 6570/1190 kc/s

ADDRESS: Ciudad de Antigua.

R. ORIENTAL – 6665 kc/s
ADDRESS: Ciudad de Zacapa.
ANNOUNCEMENT: "Radio Oriental de Zacapa, Guatemala, America Central". – INTERVAL-SIGNAL: Vibraphone.

LA VOZ DE OCCIDENTE – 7470/1070 kc/s
ADDRESS: Independencia 8, Quezaltenango.

R. CENTRAL – 9700/990 kc/s
ADDRESS: 7a Avenida 12–72, Zona 1, Ciudad de Guatemala.

HAITI

All stations commercial exc. 4VEH (Religious).

STATIONS:
Short Waves

Call	kc/s	m	kW	m.w.	
4VGS	5030	59.64	0.4	1500	R. Independance 11.00–14.00 17.00–20.00, 23.00–02.30.
4VPM	5040	59.52	0.225		Port de Paix 11.00–19.00, 23.30–03.00.
4VDP	5060	59.28	0.4	1500	R. Independance 17.00–18.30, 23.00–02.00.
4VHW	5840	51.36	1.5	1300	R. Haiti W. 12.00–03.00, Sun. 14.30–23.00
4VPL	5900	50.84	0.15	1260	Petionville Broadcasting System 20.00–03.00
4V2S	5950	50.42	1	1380	R. Port-au-Prince 12.00–03.00
4VYM	6010	49.92	0.5	1250	Radiodiffusion Haitienne 16.30–19.30, 23.00–02.00
4VB	6091	49.26	7.5	1080	R. Commerce 22.00–03.30
4VWA	6155	48.74	0.15		R. Citadelle 11.00–13.30, 21.00 (Sun. 19.00)–03.00

4VCM	6165	48.66	5	1470	Magloire Broadcasting Circuit 11.00–04.00
4VCP	6198	48.40	0.15		La Voix du Nord 17.00–19.30, 23.00–02.00
4VPB	9000	33.33	0.15	1260	Petionville Broadcasting System 20.00–03.00
4VC	9485	31.63	7.5	1080	R. Commerce W. 11.30–14.00, Sun. 11.30–24.00
4VEH	9656	31.07	3	Day	La Voix Evangelique D. exc. Thurs. 11.00–14.30 (Sat. 15.00)
4VEH	9666	31.04	3	Night	La Voix Evangelique Sun. 21.30–24.00, Mo. 00.00–02.30, Tues. 00.30–02.30
4VRW	11795	25.43	1.5	1300	R. Haiti W. 12.00–03.00, Sun. 14.30–23.30

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
4VA	1080	278	1	6091/9485	4VS	1380	217	0.4	5950
4VM	1250	240	1	6010	4VGM	1470	204	2	6165
4VP	1260	238	0.25	5900/9000	4VD	1500	200	0.4	5030/5060
4VW	1300	231	2	5840/11795					

RADIO INDEPENDANCE – 5030, 5060/1500 kc/s

ADDRESS: Les Gonaives. LEADING PERSONALITIES: Directors: J. Dupuy and E. Mitton (Owners).

ANNOUNCEMENT: "Ici Radio Indépendance, Poste 4VGS et 4VG á Gonaives, République d'Haiti, Grandes Antilles."

VERIFICATION by QSL-card.

RADIO HAITI – 5840, 11795/1300 kc/s

ADDRESS: Etage Crystal Market, Rue Bonnefoi. P.O. Box 737. Port-au-Prince.

LEADING PERSONALITY: Dir.: R. Wiedmaier.

DAILY PROGRAMMES: N.: 12.00, 17.30, 23.30. Spanish: Sun. 21.40–21.55. English: Fri. 02.30–03.20.

ANNOUNCEMENT: French, English, Spanish: "Vous écoutez R. Haiti, postes 4VW, 4VRW et 4VHW".

INTERVAL-SIGNAL: Gong (4 notes).
VERIFICATION by QSL-card.

PETIONVILLE BROADCASTING SYSTEM – 5900, 9000/1260 kc/s

ADDRESS: Petion Ville.

LEADING PERSONALITY: Dir.: Ernst Walker.

RADIO PORT-AU-PRINCE – 5950/1380 kc/s

ADDRESS: Rue Pavee, Port-au-Prince.

LEADING PERSONALITIES: Dir.: A. Herard and R. R. Rigaud.

DAILY PROGRAMMES: N.: 12.30, 17.00, 23.30.

ANNOUNCEMENT: French, English: "Ici Radio Port-au-Prince postes 4VS, 4V2S".

INTERVAL-SIGNAL: Gong. – VERIFICATION by letter.

RADIODIFFUSION HAITIENNE – 6010/1250 kc/s

ADDRESS: Ruelle Jeanty, Port-au-Prince.

LEADING PERSONALITY: Dir.: Y. Michel.

DAILY PROGRAMMES: N.: 17.00, 23.30.

ANNOUNCEMENTS: French, English, Spanish: "Vous ecoutez le poste de Radiodiffusion 4VM travaillant simultanement dans les bandes de 49 m. b. et 240 metres a Port-au-Prince, capitale de la Republique d'Haiti".

RADIO COMMERCE (Comm.) – 6091, 9485/1080 kc/s

ADDRESS: P. O. Box 1143, Port-au-Prince. Cable: "Radco".

LEADING PERSONALITIES: Owner and Dir.: Sperna. Gen. Man.: Guy Douyon. Dir. Tec.: Eduard C. Gentil.

HOME SERVICE: in French, Creole, English.
4VA 1080 kc/s 278 m 1 kW W. 11.30–03.30. Sun. 11.30–24.00
4VB 6091 – 49.26 – 7.5 – W. 22.00–03.30
4VC 9485 – 31.63 – 7.5 – W. 11.30–14.00. Sun. 11.30–24.00
N.: W. 12.00–12.30, 19.30–20.00, 23.15–24.00 Sun. 12.00–13.00.

Religious: Sun. in French 9485, 1080 kc/s: 13.30–14.00. – National Music: French: 6091, 1080 kc/s. Mo., Wed., Fri. 22.00–22.30. Tues., Thurs. 21.00–21.30. English: 9485, 1080 kc/s. Sun. 22.00–22.45. – English by Radio: Sat. 1080 kc/s: 16.30–17.00. Wed. 6091, 1080 kc/s: 22.30–23.00. – Request Progr.: French: W. 22.45–23.15 on 6091, 1080 kc/s. Sun. 22.30–22.45 on 9485, 1080 kc/s. – Time-Sig.: Every half hour. – N.: French W. 12.00–12.30 9485, 1080 kc/s. 18.30–18.40 1080 kc/s. 19.30–20.00 1080 kc/s. 23.15–24.00 6091, 1080 kc/s, 02.00–02.08 6091, 1080 kc/s.

ANNOUNCEMENT: "Au service du Progres National dans l'ordre et le Travail, Ici Radio Commerce, emettant de Port-au-Prince".

VERIFICATION by QSL-card.

RADIO CITADELLE – 6155 kc/s

ADDRESS: Cap Haitien.

LEADING PERSONALITY: Dir.: Wainright.

DAILY PROGRAMMES: News: 23.00, 23.45.

ANNOUNCEMENT: "Ici Radio Citadelle, Poste 4VWA, au Cap Haitien, capitale touristique de la République d'Haiti, Grandes Antilles". Closes down with "La Demassalinienne".

VERIFICATION by QSL-card.

LA MAGLOIRE BROADCASTING CIRCUIT – 6165/1470 kc/s

ADDRESS: 36, rue Americaine, Port-au-Prince. Cable: "Lematin".

LEADING PERSONALITY: Director and Owner: Frank C. Magloire.

DAILY PROGRAMMES: N.: W. 12.00, 18.05, 03.00.

ANNOUNCEMENT: "Ici la M.B.C. a Port-au-Prince, emettant par l'intermédiaire de la 4VGM et la 4VCM dans les bandes de 209 m 60 & 48 m 66, frequences 1470 et 6165 kc/s."

VERIFICATION by QSL-card.

FUTURE PLANS: 10 kW s.w. transmitter 4VBM January 1955.

LA VOIX DU NORD – 6198 kc/s

ADDRESS: Cap Haitien. LEADING PERSONALITY: Dir.: E. Anacreon.

ANNOUNCEMENT: French: "Ici la Voix du Nord, Poste Commercial de Radiodiffusion 4VCP, affilié a la chaine de la Paix des Nations Unies...". Spanish: "La Voz del Norte". English: "The Voice of the North".

LA VOIX EVANGELIQUE – 9656, 9666 kc/s (Religious)

ADDRESS: East and West Bible Mission, Box 1, Cap Haitien.

LEADING PERSONALITIES: Dir. and President: G. T. Bustin. Techn. Dir.: M. E. Picazo. Dir. of English Progr.: Mrs. M. E. Picazo.

DAILY PROGRAMMES in English, Spanish, French, Creole.

Religious Progr.: D. in French, Creole: 11.00–14.30. – Sun. in Spanish, English, Creole, French: 21.30–02.30. – Mo. in Spanish, English, Creole, French: 23.30–01.30.

ENGLISH: W. exc. Thurs. 13.00–14.30. Mo. also 01.00–02.30. Sat. 13.00–15.00. Sun. 11.00–12.00, 12.30–14.30, Mo. 00.00–02.30. – Request Progr.: D. 13.45–14.00 (Religious Songs). Dx-Programmes: Sat. 14.30–15.00, Tues. 01.30–02.00. – (TVRK contest Broadcast). – Progr. Preview: Sat. 15.00. – Mailbag: Sat. 14.30–15.00, Tues. 01.30–02.00. – FUTURE PLANS: Nightly transmissions in 19 & 49 m.b. Thursday is silent day. 9656 daytime. 9666 nighttime.

ANNOUNCEMENT: English "You are listening to radio Station 4VEH located at Cap Haitien, Haiti". Spanish: "Eschucha. Ud. La radiodiffusora 4VEH situada en Cabo Haitiano Republica de Haiti". French: "C'est la Voix Evangelique D'Haiti, Station Radiodiffusion 4VEH, Cap Haitien, Haiti".

VERIFICATION by QSL-card. FUTURE PLANS: Mailbag programme and a 5 kW st.

HONDURAS (British)

BRITISH HONDURAS BROADCASTING SERVICE (Govt.)

ADDRESS: British Honduras Broadcasting Service, Belize.

LEADING PERSONALITIES: Dir. Information and Communications: E. Caffery. Dir. Tec.: F. Turton. Dir. Progr.: H. G. Calvert.

HOME SERVICE in English and Spanish: 18.00–19.15, 00.00–03.30. Week-end Service (Sat., Sun.) Sat. 18.00–20.00. Sun. 18.00–20.15.

kc/s	m	kW		kc/s	m	kW	
1280	235	0.5	All year	4900	61.22	0.25	Oct.–Apr.
3300	90.91	5	All year	6100	49.18	0.25	Apr.–Oct.
				10600	28.20	0.25	

English: N.: D.: 18.30–18.40, 01.00–01.10. Sun. 03.15–03.20. Religious Progr.: Sun. 19.45–20.15. – Request Progr.: Wed., Sat. 00.00–00.30. – Progr. Preview: D. 03.30–03.35. Sun. 18.25–18.30. – Weather-rep.: After each news bulletin.

Spanish: Request Progr.: Sat. 18.50–19.15. – N.: 18.40–18.50. Sun. 18.45–18.55. D. 01.15–01.25.

ANNOUNCEMENT: English: "This is the British Honduras Broadcasting Service". Spanish: "Este es el Servicio Radiodifusor de Honduras Británica".

INTERVAL-SIGNAL: Greensleeves.

VERIFICATION by QSL-card. Reports are wanted.

HONDURAS (Rep.)

All stations commercial. Language: Spanish.
Abbreviations: R=Radio. T=Tegucigalpa. S=San Pedro Sula. C=Comayagüela. L=La Ceiba.

STATIONS:
Short Waves:

Call	kc/s	m	kW	
HRN	5885	50.94	1	La Voz de Honduras T: 12.30–20.00, 23.00–04.00
HRA	5935	50.55	1	La Voz de Lempira T: 13.00–15.00, 19.30–04.00
HROW	6020	49.83	1	R. Monserrat, T: 12.00–04.00
HRTL	6035	49.71	1	R. Tela, Tela: 14.00–04.00. Verific. by letter.
HRLP	6050	49.59	0.6	R. America T: 12.00–05.00(Sat. 06.05)
HRQ5	6070	49.42	0.25	La Voz de Suyapa, T: 12.00–05.00
HRXW	6105	49.14	0.25	R. Comayagüela 17.30–04.00
HRQ	6125	48.98	1	La Voz de Suyapa S: 12.00–05.00
HRMS	6135	48.90		La Voz de la Patria L: 12.00–05.00
HRSU	6187	48.49	1	R. Progreso, S: 12.00–05.00
HRD2	6235	48.12	0.3	La Voz de Atlantida L: 16.30–19.30, 23.00–03.00
HRP1	6360	47.16	0.6	El Eco de Honduras S: 16.00–19.30, 23.00–24.00
HRA	9047	33.16	1	as 5935 kc/s

Medium Waves:
HROW 850 kc/s 0.5 kW 6020 HRN 1450 kc/s 0.5 kW 5885

RADIO MONSERRAT – HROW – 6020/850 kc/s.

ADDRESS: Avenida Cervantes; Tegucigalpa D.C. Honduras C.A. Apartado Postal No. 253. Cable: Monserrat. – **LEADING PERSONALITY:** Dir. & Owner: Sr. Alfredo Leon Gómez.

DAILY PROGRAMMES: N.: 12.30, 00.30.

INTERVAL-SIGNAL: "Campanas". – **VERIFICATION** by letter. Return postage not required.

LA VOZ DE ATLANTIDA – 6235 kc/s.

ADDRESS: Avenida 14 de Julio, La Ceiba.

JAMAICA (British West Indies)

JAMAICA BROADCASTING CO. LTD. (Pr. Comm.)

ADDRESS: 32, Lyndhurst Road, Cross Roads, Kingston. Cable: "Broadco", Jamaica.

LEADING PERSONALITIES: Man. Dir.: W. Mac Lurg. Dir. Tec.: A. H. Dickinson. Dir. Progr.: C. F. Richardson. Sales Man.: A. L. Hendriks.

HOME SERVICE in English:

	kc/s	m	kW	
Kingston	720	417	5	11.00(Sun. 12.00)–04.00
Kingston	3360	89[illegible]6	5	W. 11.00–12.05, 22.00(Sun. 21.45)–04.00
Kingston	4950	60.60	5	W. 12.30–22.15. Sun. 12.00–21.30
Montego Bay	1180	254	1	11.00(Sun. 12.00)–04.00
Christiana		90.6 mc/s	0.5	11.00(Sun. 12.00)–04.00
Kingston		94.6 –	2.5	11.00(Sun. 12.00)–04.00

N.: 12.30 (followed by Weather rep.), 13.00 (BBC), 16.00 (BBC), 17.00 (BBC Oct./Apr.), 17.30, 20.00 (BBC), 23.00 (BBC), 23.10 (followed by Weather rep.) 02.00 (BBC), 02.10. – **Time Sig.:** Every hour on the hour.

ANNOUNCEMENT: "This is Radio Jamaica and the Radiodiffusion Network".

VERIFICATION by QSL-card. Reports are welcomed.

LEEWARD ISLANDS

Antigua, St. Kitts-Nevis, Montserrat and the Virgin Islands.

RADIO MONTSERRAT – LEEWARD ISLANDS (Priv. Funds)
HOME SERVICE in English: 3255 kc/s 92.17 m Sun. 13.00–13.30.

MARTINIQUE (French West Indies)

ADDRESS: Radiodiffusion Française, Pavillon du Tourisme Fort de France.

HOME SERVICE: 1500 kc/s 200 m 1 kW.

10.30–11.30 (Sun. 11.30–13.00), 16.15–17.45(Sat., Sun. 19.30), 22.30 (Sun. 22.00)–01.15 (Sat. 2.00). 11.00, 17.00, 23.30 (Relay from Paris).

ANNOUNCEMENT: "Ici Radio Martinique, Poste National Français".

INTERVAL-SIGNAL: The first six notes of "Sous les Ponts de Paris" on xylophone. – **VERIFICATION** by QSL-card.

MEXICO

COMMERCIAL STATIONS. Language: Spanish.

Short Waves:

Call	kc/s	m	kW	m.w.	name	
XEOI	6010	49.92	2.5	1000	R. Mil	12.00–07.10
XEUW	6020	49.83	0.25	960	El Eco de Sotavento	12.00–06.00
XEKW	6030	49.75	0.5	1300	R. Morelia	13.00–05.30
XETW	6045	49.66	0.1	810	La Voz de Tampico	10.30–24.00 00.30–06.00
XERM	6130	48.94	0.5	1110	R. Central de Mexico	16.00–06.00
XECC	6185	48.50	0.05	1170	R. Puebla	13.00–05.00
XEWW	9500	31.58	10	*)	La Voz de la America Latina	12.00–06.00
XEFT	9545	31.43	0.25	1250	La Voz de Vera Cr[illegible]	14.00–04.00
XETT	9555	31.40	0.5	1350	La Hora Exacta	D. 24 hours
XERO	9610	31.22	5	1030	Corp. Mexicana de R	13.00–06.00
XEBT	9625	31.17	10	1220	El Buen Tono	14.00–06.00
XEQQ	9680	30.99	1	940	R. Mexicana del C.	12.30–06.30
XENN	11780	25.47	0.5	690	R. Mundial	13.00–06.00
XEBR	11820	25.38	0.15	920	El Heraldo de Sonora	14.00–17.00 23.00–04.00
XEHH	11880	25.25	1	1500	La Voz Potosina	13.55–06.00
XEXE	11900	25.21	1.5	730	La Voz de Mexico	12.30–06.30
XESC	15205	19.73	5	1590	La mas Espanola del Mundo	D. 24 hours

*) 540, 900 kc/s

Medium Waves: (Commercial Stations)

Call	kc/s	kW		Call	kc/s	kW	
XEWA	540	5	San Luis Potosi	XEQB	*1110	5	Mexico
				XETR	1120	1	C. Valles
XEAV	580	1	Guadalajara	XEFD	1170	1	Rio Bravo
XEMU	580	5/0.25	Piedr. Negr.	XEQT	1200	1	Orizaba
XEPH	590	5	Mexico	XEB	*1220	100	Mexico
XERT	590	5/0.25	Reynosa	XEPK	1250	1	Guadalaj.
XEDN	600	1	Torreon	XETF	*1250	0.5	Vera Cruz
XEZ	600	2	Merida	XEL	1260	5/1	Mexico
XEBB	600	5	Acapulco	XEBL	1260	5	Cualican
XEUF	610	5	Uruapan	XEAG	1280	1	Cordoba
XEBX	610	5/0.5	Sabinas	XEAW	1280	5/0.5	Monterrey
XENK	620	5	Mexico	XEDA	1290	1	Mexico
XEFB	630	5/1	Monterry	XESF	*1300	0.5	Morelia
XEZM	650	1	Zamora	XEBP	1310	5/0.25	Torreon
XELG	680	10	Leon	XEFH	1310	1	Agua Prieta
XEFJ	680	1	Teziutlan	XEHV	1310	1	Vera Cruz
XEN	*690	5	Mexico	XEPO	1310	1	S Luis Potosi
XEAC	690	5	Tijuana	XEQK	*1350	1	Mexico
XEON	710	1	Tuxtla Gut.	XETB	1350	5/0.5	Torreon
XEX	730	500	Mexico	XETM	1350	1	Naco
XEHJ	760	1	Zapotlan.	XEA	1370	1	Campecha
XERC	790	1	Mexico	XEHF	1370	1	Nogales
XELO	800	150	C. Juarez	XEMX	1380	5	Mexico
XEFW	*810	50	Tampico	XEOR	1390	1	Reynosa
XELA	830	10/5	Mexico	XETL	1390	1	Tuxpan
XEBA	840	1	Guadalaj.	XEBS	1410	1	Mexico
XEMO	860	5	Tijuana	XEH	1420	1	Monterrey
XEW	*900	250	Mexico	XEXX	1420	2	Tijuana
XEBH	*920	5	Hermos.	XECZ	1430	1	S. Luis Pot.
XEBM	920	5/1	S. Luis Pot.	XEHD	1430	2/0.15	C. Miguel Aleman
XEQ	*940	50	Mexico				
XEGM	950	5/1	Tijuana	XEOX	1430	5/0.5	C. Obrigon
XEU	*960	0.5	Vera Cruz	XEFI	1440	5/1	Chichuah.
XEDF	960	5/1	N. Laredo	XELZ	1440	5/1	Mexico
XEJ	970	10/5	C. Juarez	XEYC	1460	1	C. Juarez
XEO	970	1	Matamoros	XEAU	1470	5	Tijuana
XETU	980	5/1	Tampico	XESM	1470	10/5	Mexico
XEXT	980	1	Tepic	XEPR	1480	5	Poza Rica
XET	990	10/5	Monterrey	XERH	*1500	5/0.5	Mexico
XECS	990	5	Mexicali	XEGD	1520	1	H. del Parral
XEOY	*1000	10	Mexico	XEBG	1550	1	Tijuana
XEHL	1010	10/5	Guadalaj.	XEXO	1550	50	N. Laredo
XEQR	*1030	1	Mexico	XEGE	1570	1	Mexicali
XED	1050	5	Mexicali	XERF	1570	50	C. Acuna
XEG	1050	10	Monterrey	XEDM	1580	50	Hermosillo
XERB	1090	50	Rosarito	XEMC	*1590	5	Mexico
XERG	1090	2.5	N. Laredo	XELC	1600	5/1	La Piedad
XELR	1100	1	Colima				

+ 104 low power m.w. stations less than 1 kW. * also on shorting.

Cultural Stations:
XEUN 860 kc/s 5 kW Mexico
+ 2 low power m.w. stations of 0.5 kW each.

FM (Comm.)
XEX-FM 101.7 mc/s 0.25 kW La Voz de Mexico.

Mexico

CADENA RADIO MIL – 6010/1000 kc/s.

ADDRESS: Fomento de Radio S.A., Ayuntamiento 101, Mexico, D.F.

LEADING PERSONALITIES: Dir. Gen.: E. G. Salas. Vice-Dir.: C. Flores. Dir. of Progr.: J. Laso. Dir. Tec.: Ing. M. R. Canale.

EL ECO DE SOTAVENTO – 6020/960 kc/s.

ADDRESS: Av. Independencia No. 230, Veracruz, Ver.

LEADING PERSONALITY: Dir. and Owner: Sr. Fernando Pazos Sosa.

D. Progr.: N.: 13.00, 01.45. – Weatherrep.: 12.00, 15.00, 21.00, 04.00. English-lesson: 01.30. – Sport: 13.00, 17.15.

ANNOUNCEMENT: "El Eco de Sotavento".

INTERVAL-SIGNAL: Four chimes.

VERIFICATION by QSL-card or letter. Return postage must be included.

FUTURE PLANS: Increase of power for both m.w. and s.w. to 5 and 1 kW.

R. MORELIA – 6030/1300 kc/s.

ADDRESS: Allende No. 29, Morelia, Mich.

LEADING PERSONALITY: Dir. and Owner: Sr. José Martinez Ramírez.

LA VOZ DE TAMPICO – 6045/810 kc/s.

ADDRESS: Madero No. 204 Ote, Apartado Postal No. 797, Tampico, Tamps.

LEADING PERSONALITIES: Directors and Owners: Srs. V. Flores and J. E. Martinez.

D. Progr.: Home Service in Spanish: 13.30–00.30. – N.: 13.45. – Foreign Service in English (for Southern USA): 10.30–13.30, 00.30–06.00.

VERIFICATION by letter. Return postage must be included.

R. CENTRAL DE MEXICO – 6130/1110 kc/s.

ADDRESS: Articulo 123 No. 90, Segundo Piso, Mexico, D.F.

R. PUEBLA – 6185/1170 kc/s.

ADDRESS: 2 Norte No. 803, Puebla, Pue.

LEADING PERSONALITY: Dir. and Owner: Sr. Roberto Canedo.

LA VOZ DE LA AMERICA LATINA DESDE MEXICO – 9500/540, 900 kc/s.

ADDRESS: Cadena Radiodifusora Mexicana S. A., Ayuntamiento 54, Mexico, D. F. – XEWA located in S. Luis Potosi.

LEADING PERSONALITIES: Pres.: E. Azcárraga. Dir.: O. M. Velez. Ass. Dir.: J. Milmo. Luis Bortoni. Dir. Tec.: J. de la Herran. Dir. Publ. Rel.: J. Duran.
N.: 14.00, 18.00, 20.30, 00.45, 06.00.

ANNOUNCEMENT: Call given every quarter hour "XEW y XEWW Ciudad de Mexico". INTERVAL-SIGNAL: Three chimes.

VERIFICATION by QSL-card.

O. I. R.'s

Documentation and Information

BULLETIN

published in English, French, Russian and Chinese gives you every 3 months a lot of valuable information on what is going on in the world of Broadcasting.

Subscription: ARTIA Ltd.,

Exporters and Importers of Cultural Commodities.

Ve Smeckách 30, Prague 2, Czechoslovakia.

LA VOZ DE VERA CRUZ – 9545/1250 kc/s.

ADDRESS: Independencia No. 74, Veracruz, Ver.

LEADING PERSONALITIES: Sucs.: De José Rodríguez Lopez.

VERIFICATION by QSL-card.

LA HORA EXACTA – 9555/1350 kc/s.

ADDRESS: Dolores Nr. 10, Primer piso, Mexico, D. F.

LEADING PERSONALITY: Dir. and Owner: Sr. Guillermo Morales B. DAILY PROGR.: Transmits the time every minute day and night.

CORPORACION MEXICANA DE RADIO – 9610/1030 kc/s.

ADDRESS: Artículo 123 No. 90, Segundo piso, Mexico, D. F.

LAS EMISORAS DE AMERICA – 9625/1220 kc/s.

ADDRESS: El Buen Tono, S. A., Calle del Buen Tono No. 6, Apartado Postal 13347, Mexico, D. F.

LEADING PERSONALITIES: Man. Ing.: A. Duprat Pugibet. Dir. of Progr.: J. M. Millan. Dir. Tec.: Ing. J. C. Buchanan.

ANNOUNCEMENT: "XEB y XEBT Las Emisoras de America en Mexico". INTERVAL-SIGNAL: From Lizt's "Liebestraum". Between each program cuckoo signals. VERIFICATION by QSL-card.

RADIO MEXICANA DEL CENTRO S.A. – 9680/940 kc/s.

ADDRESS: J. M. Marroqui No. 11, Mexico, D. F. (for letters from Listeners: Apartado Postal No. 940).

LEADING PERSONALITIES: Dir.: E. Balli. Vice-Dir.: S. Garza. Dir. Tec.: Ing. J. E. de la Herran. Dir. Progr.: R. Cardona. Dir. Publ. Relations: R. Artansanehez. VERIFICATION by QSL-card.

R. MUNDIAL – 11780/690 kc/s.

ADDRESS: Calz. A. Mexico No. 44 Barrio Axola.

LEADING PERSONALITY: Dir. and Owner: Sr. Salvador del Conde.

EL HERALDO DE SONORA – 11820/920 kc/s.

ADDRESS: Hotel "San Alberto", Rosales y Vildosola, P. O. Box 68, Hermosillo, Son.

LEADING PERSONALITIES: Dir. and Owner: Sr. Carlos G. Balderrama A. Manager: Sr. José Remigio Agraz N.

DAILY PROGR.: N.: 13.30, 20.30, 03.00. Sport: 13.30, 03.00.

DX-PROGRAMMES broadcast only by request from DX-Clubs.

ANNOUNCEMENT: "XEBH, XEBR, "El Heraldo de Sonora" desde Hermosillo".

VERIFICATION by letter. FUTURE PLANS: Increase of powers to 10 kW and inauguration of a FM station.

LA VOZ POTOSINA – 11880/1500 kc/s.

ADDRESS: "A.R.S.E." S.A., Zempoala No. 77, Col Narvarte, Mexico, D.F.

LA VOZ DE MEXICO – 11900/730 kc/s. FM.

ADDRESS: Radio de Mexico, S.A. de C.V., Cordoba 48, Mexico, D.F.

DAILY PROGR.: Relays from XEQ.
N.: 13.45, 21.00, 23.53, 01.15, 03.00, 03.45, 04.15, 05.50.

LA MAS ESPANOLA DEL MUNDO – 15205/1590 kc/s.

ADDRESS: Apartado Postal 22717, Calle Escuadra No. 73, Mexico, D.F.

LEADING PERSONALITIES: Dir. and Owner: Sr. Dolores G. Estrada de Ferreiro. Dir. Tec.: Ing. J. Carrazzo. This station beams programmes day and night for Spain and Europe.

LA VOZ DE NORTE AMERICA – 1050 kc/s.

ADDRESS: Hidalgo No. 426, P.O. Box 638, Monterrey, N.L.

LEADING PERSONALITY: Manager Teofilo Bichara.

D. PROGR.: 24 hours daily. Home Service in Spanish: 13.00–22.00. Foreign Service in English: 22.00–13.00.

VERIFICATION by letter or QSL-card.

CIA RADIODIFUSORA DE LAREDO – 1550 kc/s.

ADDRESSES: Av. Guerrero No. 1105, Altos 6, Nuevo Laredo, Tam. (For listeners in the USA: Station XEXO, Laredo, Texas, USA).

D. PROGR.: 10.00–06.00. Home Service in Spanish: 10.00–22.00. Foreign Service in English (for USA): 22.00–06.00. "Uncle Jim's Jamboree": D. 05.00–05.45. Mexican Songs: D. 05.45–06.00.

RADIODIFUSORA XERF – 1570 kc/s ("The Good Neighbor Station")
Operated by Cia. Radiodifusora de Coahuila and the Inter-American Advertising Agency.

ADDRESSES: Villa Acuna, Coah. (For listeners in USA: Station XERF, Del Rio, Texas, USA).

LEADING PERSONALITIES: Chief English Announcer: Mr. Paul Kellinger. Spanish Announcer: Sr. Tino Ramos. Dir. Tec.: Sr. Alvaro Esquivel Castro.

D. PROGR.: 23.00–13.00. Home Service in Spanish: 23.00–23.30, 09.00–10.00, 12.30–13.00, Mo. 04.00–05.00. "La Hora Nacional": Mo. 04.00–05.00, "La Hora Musica de Mexico": D. 09.00–10.00. Foreign Service in English: 23.30–09.00 (exc. Mo. 04.00–05.00), 10.00–12.30. "Gospel Singing Broadcast": D. exc. Mo.: 00,30–03,45. "Hillbilly Roundup": D. exc. Mo.: 04.00–09.00, 10.00–12.30. From Sun. 23.00 to Mo. 13.00 (exc. for Spanish broadcasts) all progr. are religious, mostly tape-recorded. VERIFICATION by letter.

LA VOZ AMIGA DE PACIFICO – 1580 kc/s.

ADDRESSES: Hotel Washington, Apartado Postal 285, Hermosillo, Son. (For listeners in USA: Station XEDM, P.O. Box 55, Nogales, Arizona, USA).

D. PROGR.: 09.00–07.00. Home Service in Spanish: 09.00–22.00, 05.00–07.00. "Musica Ranchera": D. 05.00–07.00. Foreign Service in English: (for USA): 22.00–05.00. "John LittleJohn Program": D. 22.00–00.30.

NETH. ANTILLES CURAÇAO

ADDRESS: Curacaosche Radio Vereiniging (CUROM), P.O. Box 31, Willemstad. Cable: "Curaver".

HOME SERVICE: PJC2 Juliana Zender: 722 kc/s 415,5 m 3 kW. Dutch: 15.30–17.30, 22.00–03.00. – N.: 17.00, 23.15. N. in Papiamento: 23.30. – Commercial Progr.: W.: 16.00–16.30, 00.00–01.00.
English: Thurs. 01.00–01.30 arranged by "The Netherlands Welfare Association". The song "There is no place like home" is played before and after this programme.

ANNOUNCEMENT: "Juliana Zender Curacao".

VERIFICATION by QSL-card. Return postage required.

NICARAGUA

All Stations commercial exc. YNV and YNAM. Language: Spanish.
STATIONS:
Short Waves:

	kc/s	m	kW	m.w.		
YNWW	5965	50.28	0.4		R. Sport	12.00–05.00
YNDG	5995	50.04	1.0		R. Colonial	12.00–05.00
YNBH	6015	49.88	0.4	1230	R. Panamericana	12.00–05.00
YNOW	6055	49.55	0.6	1340	La Voz de la America Central	12.00–05.00
YNEQ	6065	49.46	0.2	1100	La Voz de la Victoria	12.00–05.00
YNV	6100	49.18	2.0		R. Nacional	Irregular
YNWA	6140	48.86	0.4	930	R. Mundial	12.00–05.00
YNVP	6185	48.50	0.4	1000	La Voz de Nicaragua	12.00–05.00
YNAM	7400	40.54	0.5		Academia Militar de Nicaragua	Irregular
YNV	9715	30.88	2.0		R. Nacional	–
YNV	11815	25.39	2.0		R. Nacional	–
YNV	15215	19.71	2.0		R. Nacional	–

Medium Waves: 12.00–05.00.

	kc/s	m	kW	s.w.	
YNW	930	323	10	6140	R. Mundial, Managua
YNVK	1000	300	1	6185	R. Mil, Managua
YNEQ	1100	273	0.2	6065	La Voz de la Victoria, Managua
YNBH	1230	244	1	6015	R. Panamericana
YNKW	1340	224	0.5	6055	La Voz de la America Central, Managua

+ 13 low power stations.

R. COLONIAL – 5995 kc/s. ADDRESS: Leon. Owner: D. E. Gallo.

R. SPORT – 5965 kc/s. ADDRESS: Sr. Manuel Arana Valle, Granada.

R. PANAMERICANA – 6015/1230 kc/s. ADDRESS: Managua.

LEADING PERSONALITIES: Dir. Gen.: Andrés Murillo. Dir. Progr.: J. G. Saenz. Dir. News: O. M. Lira. ANNOUNCEMENT: "Aqui YNBH Radio Panamericana en Managua, Nicaragua, Centro America". INTERVAL-SIGNAL: Three strokes on xylophone. VERIFICATION by letter.

LA VOZ DE LA AMERICA CENTRAL – 6055/1340. ADDRESS: Calle Noreste No. 607, Managua. Owner: J. Mendoza O.

LA VOZ DE LA VICTORIA – 6065/1100 kc/s. ADDRESS: Apartado 338, Managua. Owner: A. Solis h.

R. NACIONAL – 6100, 9715, 11815, 15215 kc/s. ADDRESS: Gobierno de Nicaragua, Managua.

R. MUNDIAL – 6140/930 kc/s. ADDRESS: Sr. Manuel Arana Valle, Managua.

LA VOZ DE NICARAGUA – 6185/1000 kc/s. ADDRESS: Radiodifusora YNVP, Managua. Owner: De. Juan Velazquez Prieto. ANNOUNCEMENT: "Estaes La Voz de Nicaragua emisora afiliada a la Cadena Panamerican de la NBC, en Managa". INTERVAL-SIGNAL: Gong.

ACADEMIA MILITAR DE NICARAGUA:
ADDRESS: Managua.

PANAMA

All Comm. – Language: Spanish.
STATIONS:
Short Waves:

Call	kc/s	m	kW	m.w.		
HO5O	5995	50.04	1	605	R. Progr. Continental	11.00–05.00
HP5K	6005	49.96	1	1500	La Voz de la Victor	11.00–04.00
HP5B	6030	49.75	0.25	730/940	R. Cadena Miramar	11.00–03.00
HOU31	6045	49.63	1	1025	La Voz del Baru	11.00–04.00
HORT	6060	49.50	0.5	1410	R. Balboa	11.30–03.00
HOO	6090	49.26	0.3	1470	La Independiente (under repair)	
HP5H	6122	49.00	0.5	900	La Reina del Aire	12.00–03.00
HOQQ	6140	48.86	0.5	1250	La Radio Nacional	12.00–03.00
HOB	6175	48.58	0.3	1090	R. Panamericana	11.00–04.00
HOLA	9505	31.56	0.25	1310/1390	R. Atlantico	11.00–05.00
HP5J	9607	31.23	0.25	1358	La Voz de Panama	12.00–03.30
HOJA	9645	31.10	0.3	1130	R. Provincias	11.00–03.30
HOH7	9685	30.98	1	965	Onda Popular	11.00–05.00
HP5G	11780	25.47	0.8	840	R. Panamericana	11.00–04.00

Medium Waves:

Call	kc/s	m	kW	s.w.		
HOH3	580	517	1		R. Progreso	11.00–04.00
HOHM	605	496	1	5995	R. Progr. Continental	11.00–05.00
HOE97	700	429	4		R. El Mundo, Panama	11.00–04.00
HP5C	730	411	0.5	6030	R. Cadena Miramar	11.00–04.00
HOG	840	357	0.3	6175/11780	R. Panamericana	11.00–04.00
HOF	965	311	1	9685	Onda Popular	11.00–05.00
HOU	1025	293	1	6045	La Voz del Baru	11.00–04.00
HOA	1090	275	1	6175/11780	R. Panamericana	11.00–04.00
HOJ	1130	266	0.4	9645	R. Provincias	11.00–03.30
HOK3	1310	229	0.3	9505	R. Atlantico	11.00–05.00
HP6J	1358	221	0.25	9607	La Voz de Panama	12.00–03.30
HOL	1390	216	0.25	9505	R. Atlantico	11.00–05.00
HORS	1410	213	0.5	6060	R. Balboa	11.30–03.00
HOOH	1470	204	1	6090	La Independiente, Sat.	00.00–09.00
HON	1500	200	0.25	6005	La Voz de la Victor	11.00–04.00

+ 27 low power m.w. stations 0.5 kW or less.

R. PROGRAMAS CONTINENTAL – 5995/560, 580, 605 kc/s/FM-26,35, 86.9, 87.1 mc/s

ADDRESS: Circuito RPC, Apt. Postal No. 1795, Panama. Cable: "Erepece".

LEADING PERSONALITIES: Pres. & Dir. Gen.: Sr. Fernando Eleta A. Dir. of Progr.: Sr. Alberto Arbesu P. Dir. Tec.: Sr. James Calvin Harris.

DAILY PROGR.: On 5995/605 kc/s and FM: National Music. Sun 15.30–16.00 Request Progr.: D. 12.30–14.00. – On 560 kc/s (Colon): 11.00–05.00. On 580 kc/s (R. Progreso, Chitre): 11.00–04.00.

VERIFICATION by QSL-card. Reports welcomed.

LA VOZ DE LA VICTOR – 6005/1500 kc/s.

ADDRESS: Apartado 33. Colon. – OWNER: Union Radio S.A.

R. CADENA MIRAMAR – 6030/730, 940 kc/s.

ADDRESS: HP5B/HP5C: Via Espana Final, Apartado 910, Panama.

HOX: Via Espana Final, Apartado 1214, Panama.

LEADING PERSONALITY: Dir. & Owner: Sr. Ernesto de la Guardia jr. VERIFICATION by QSL-card.

LA VOZ DEL BARU – 6045/1025 kc/s. – ADDRESS: Edificio Carta Virja, David. LEADING PERSONALITY: Owner: Srs. Samusio, Esquivel & Cia.

R. BALBOA – 6060/1410 kc/s:
ADDRESS: Avenida Ecuador No. 9, Apartado 1723, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Demetrio A. Porras.

LA INDEPENDIENTE – 6090/1470 kc/s
ADDRESS: Avenida Peru y Calle 33 Este, Apartado 545, Panama. –
LEADING PERSONALITY: Dir. & Owner: Sr. José A. Sosa M.

LA REINA DEL AIRE – 6122 kc/s. **LA VOZ DE LA REPUBLICA** – 900 kc/s.
ADDRESS: Calle 17 Oeste no. 78, Apartado 1045, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. M. Lombardo Vega.

LA RADIO NACIONAL – 6140/1250 kc/s.
ADDRESS: Ave. Central No. 96, Apartado 552, Panama.
LEADING PERSONALITIES: Owner: De Mena Hnos. C. Ltda. Dir. Gen.: Sr. Augustin de Mena F. Dir. Progr.: Professor Luis S. Dominguez. Dir. Public Relations: Sr. Yolanda Zerr.

R. PANAMERICANA – 6175, 11780/840, 1090 kc/s.
ADDRESS: HOB/HP5C/HOA: Parque Lefevre, Apartado 1121, Panama. HOG: Your Community Station Calle H. No. 57, Panama
LEADING PERSONALITY: Dir. & Owner: Sr. Gilberto Arias.

R. ATLANTICO – 9505, 1310/1390 kc/s.
ADDRESS: Avenida Balboa No. 9069, Apartado 444, Colon.
LEADING PERSONALITY: Dir. & Owner: Sr. Anibal Galindo.
DAILY PROGR.: N. 17.35, 22.35. VERIFICATION by QSL-card.

LA VOZ DE PANAMA – 9607/1358 kc/s.
ADDRESS: Avenida Central No. 169, Apartado 867. Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Manuel Diaz Doce.
DAILY PROGR.: English. Request Progr.: 01.00.

R. PROVINCIAS, CHITRE – 9645/1130 kc/s.
ADDRESS: Apartado 826, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Fernando Jolly.

ONDA POPULAR – 9685/965 kc/s.
ADDRESS: Apartado 1795, Panama.
LEADING PERSONALITY: Dir. & Owner: Sr. Fernando Eleta A.
VERIFICATION by QSL-card

CARIBBEAN FORCES NETWORK (U.S.A. Military)
CFN Clayton 790 kc/s 5 kW. Relay CFNFt. Gulick 1420 kc/s 1 kW.

PUERTO RICO

Commercial (exc. WIPR)

kc/s		kW	
550	WPAB	5	Ponce
580	WIAC	5	San Juan
580	WKAQ	5	El Mundo Br. Corp., S. Juan
600	WAEL	1	Mayaguez
680	WAPA	10	S. Juan
710	WKJB	1	Mayaguez
740	WIBS	10	R. Station WIBS Inc., Santurco
860	WNEL	1	Station WNEL Corp., St. Juan
910	WPRP	5	Ponce
940	WIPR	10	Dept. of Education of Puerto Rico, Santurco
990	WPRA	10	WPRA Inc., Mayaguez
1150	WORA	5	Mayaguez
1280	WCMN	1	Arecibo
1300	WTIL	1	Mayaguez
1320	WRIO	5	Rio Piedras

+ 17 low power m.w. stations less 1 kW.

ST. VINCENT

There is no local broadcasting organization. The Government of St. Vincent arranges a once-weekly broadcast over an amateur station. The establishment of a 250 Watt station is now under consideration.

TRINIDAD

TRINIDAD BROADCASTING COMPANY LTD. (Comm.)
ADDRESS: Broadcasting House, 11b Maraval Road, Port-of-Spain. Cable: "Broadcast", Trinidad.

LEADING PERSONALITIES: Chairman: H. O. B. Wooding. Man. Dir.: K. T. Murray. Dir. Tec.: R. Goodsman. Ass. Man.: J. M. Laing. Dir. Progr.: B. C. Fargus.

HOME SERVICE in English: "R. Trinidad", VP4RD.

790 kc/s	379.7 m	5	kW	10.00–03.00
3275 –	91.60 –	0.5	–	10.00–03.00
6085 –	49.30 –	0.5	–	10.00–22.00

N.; 10.45*), 11.00 (BBC), 12.00*), 13.00(BBC), 16.00(BBC), 16.30*), 20.00 (BBC), 23.45*), 02.00(BBC)
*) followed by weather-rep.
Request Progr.: 12.15(W), 02.20 (exc. Mo.). – **Religious Progr.**: 10.00–10.15(W), 23.15–23.45(Sun). – **Time-Sign.**: Every hour on the hour exc. 17.00, 18.00, 19.00. – **Progr. Preview**: 12.15, 20.15(W).

ANNOUNCEMENT: "This is Radio Trinidad and the Rediffusion Golden Network".

VERIFICATION by QSL-card. Return postage required.

ARMED FORCES RADIO SCE. (U.S.A. Navy): WVDI Trinidad 600 kc/s 0.025 kW.

SOUTH AMERICA

ARGENTINA

RADIO DEL ESTADO (Govt.)

ADDRESS: Ministerio de Communicaciones, Direccion de Radiodifusion, Ayacucho 1556, Buenos Aires.

LEADING PERSONALITIES: su S. E. Sr. Ministro de Comunicaciones: Don Oscar M. Nicolini. S. S. Sr. Subsecretario de Comunicaciones: Don Pedro Gagliardo. Director de Radiodifusión: Don Humberto A. Rusi. Subdirector de Radiodifusión: Dr. J. R. Mayo. Jefe del Servicio Oficial de Radiodifusión: Don L. A. Quesada. Jefe de la División Administrativa: Don A. M. Pochintesta.

STATIONS: Medium Waves:

Call	kc/s	m	kW	s.w.		
LRA	670	448	20*/10**		Santa Rosa	
LRA	690	435	1		Salta	
LRA	710	423	50	6062/9690	Buenos Aires	11.00–03.00 1)
LRA	780	385	20*/10**		Rosario	
LRA	870	345	10	6062/9690	Buenos Aires	11.00–03.00 1)
LRA	970	309	5	6180	Mendoza	

Short-Waves:

LRA1	6062	49.49	10	710/870	Buenos Aires	22.00–03.00 1)
LRA	6180	48.54	10	970	Mendoza	
LRA1	9690	30.96	100	710/870	Buenos Aires	11.00–22.00

*) Day. **) Night. 1) Sat. 05.00.

FM
LRA7 92 mc/s Buenos Aires 11.00–03.00 1)
HOME SERVICE:
Buenos Aires (710, 870, 6062, 9690 kc/s & FM): 11.00–03.00 (Sat. 05.00). N. (W. only): 13.30, 16.30, 23.25, 01.00. – **Symphony**: Fri. 00.30.

ANNOUNCEMENT: "LRA, LRA1 y LRA7 Radio del Estado de Buenos Aires, Republica Argentina".

INTERVAL-SIGNAL: Programmes open and close with the three first bars of the Argentine National Anthem followed by the traditional dance "La Firmeza". – VERIFICATION by QSL-card. – FUTURE PLANS: A new 200 kw m.w. transmitter in Buenos Aires.

R. de la UNIVERSIDAD NACIONAL del LITORAL (Cult.)

ADDRESS: Bv. Pellegrini 2750, Santa Fé.

LEADING PERSONALITY: Dir. Sr. Esteban Roberto Gianotti.

HOME SERVICE: LT10 1430 kc/s 210 m 0.4 kW: 20.00–01.00 (relay R. del Estado).

ANNOUNCEMENT: "LT10 Radio de la Universidad Nacional del Litoral, Santa Fé". – INTERVAL-SIGNAL: "Mi Bandera" (My flag)

VERIFICATION by letter.

PRIVATELY OWNED COMMERCIAL STATIONS

RADIO EL MUNDO NETWORK (Owned and operated by Empresa Editorial Haynes Ltda. S.A.).

ADDRESS: Maipu 555, Buenos Aires. Cable: "Radiomundo". –
LEADING PERSONALITY Administrator: Sr. Dante A. Aloe.

HOME SERVICE:

Call	kc/s	m	kW		
LV8	730	411	5	R. Libertador, Mendoza	
LV7	820	366	2	R. Tucuman, Tucuman	10.00–03.30
LU6	910	330	1	R. Atlántica, Mar del Plata	10.40–04.00
*)LR1	1070	280	50	R. El Mundo, Buenos Aires	10.30–04.00
LT5	1080	278	1.5	R. Chaco, Presidente Peron	10.30–03.00
LV5	1090	275	15	R. San Juan, San Juan	10.00–03.30
LT3	1160	259	5	R. Cerealista, Rosario	10.30–03.30
LU7	1240	242	15	R. General San Martin, Bahia Blanca	10.30–03.30
LT9	1260	238	5/1	R. Santa Fé, Santa Fé	10.30–03.30

*) Key station.

Short Waves (Buenos Aires, relay LR1).

LRX1	6120	49.02	10	14.00–17.00, 21.00–04.00
LRX	9660	31.06	7.5	10.30–04.00
LRU	15290	19.62	7.5	10.30–14.00, 17.00–21.00

ANNOUNCEMENT: "LR1 Radio El Mundo de Buenos Aires con su Red Azul y Blanca de Emisoras Argentinas".

VERIFICATION by QSL-card or letter.

RADIO SPLENDID NETWORK

ADDRESS: Uruguay 1237, Buenos Aires.

STATIONS: 10.30–04.00

Call	kc/s	m	kW		Call	kc/s	m	kW	
LV6	680	441	10	Mendoza	LU3	1150	261	10	Bahia Blanca
LW1	790	380	15	Córdoba	LW3	1190	252	4	Tucuman
*)LR4	830	361	50	Buenos Aire	LT2	1270	244	15	Rosario

+7 low power stations 1 kW and less.

Short Waves (Buenos Aires – relay LR4).
LRS2 5985 kc/s 50.13 m 5 kW – LRS 11880 kc/s 25.25 m 5 kW – LRS1 9320 kc/s 32.19 m 5 kW
*) Key station.

ANNOUNCEMENT: "LR4 Radio Splendid, Buenos Aires, con sus ondas cortas LRS, LRS 1 (y LRS2) y la Red Argentinas de Emisoras Splendid". – VERIFICATION by letter.

RADIO BELGRANO NETWORK

ADDRESS: Posadas y Ayacucho, Buenos Aires.

HOME SERVICE:

Call	kc/s	m	kW		
LV1	560	536	10	R. Colon, San Juan	
LV12	580	517	10/5	R. Independencia, Tucuman	10.00–17.00,
LT8	840	357	5	R. Rosario, Rosario	
LU2	900	333	5	R. Bahia Blanca, Bahia Blanca	
*)LR3	950	316	50	R. Belgrano, Buenos Aires	09.45–04.30
LT15	960	313	5/2	R. Concordia, Concordia	
LV11	1170	256	2	R. del Norte, Stgo. del Estero	
LV10	1210		2.5	R. de Cuyo, Mendoza	
LV2	1230		10/5	R. Central, Córdoba	
LV13	1250		3/1	R. San Luis, San Luis	

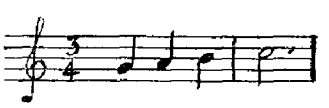
+5 low power stations 1 kW and less. *) Key station.

Short Waves:

LRY	9760	30.74	50	relay LR3
LRT	11840	25.34	10	relay LV12

ANNOUNCEMENT: "LR3 y LRY Radio Belgrano de Buenos Aires y la Primera Cadena Argentina de Radiodifusion".

INTERVAL-SIGNAL: 4 note signal on vibraphone.



VERIFICATION by QSL-card.

OTHER STATIONS°

Call	kc/s	m	kW		Call	kc/s	m	kW	
LS4	560	536	10	1)	LS10	1030	291	10	6)
LS5	620	484	3	2)	LU10	1200	250	3/1	7)
LR6	750	400	25	3)	LS11	1270		30	8)
LV3	910	330	25/10	4)	LS6	1350		3	9)
LR5	990	303	25	5)	LR11	1390		1.5	10)

+9 low power stations 1 kW and less.

1) R. Portena, Buenos Aires. – 2) R. Rivadavia, Buenos Aires. – 3) R. Mitre, Buenos Aires. – 4) R. Cordoba, Cordoba. – 5) R. Excelsior, Buenos Aires. – 6) R. Libertad, Buenos Aires. – 7) R. Azul, Azul. – 8) R. Prov. de Bs. As. Ciudad Eva Peron. – 9) R. del Pueblo, Buenos Aires. – 10) R. Universidad Nacional, C. Eva Peron.

BOLIVIA

All stations commercial exc. "R. Illimani" & "R. La Cruz del Sur".

STATIONS: Short Waves: Language: Spanish.

Call	kc/s	m	kW	m.w.	
CP5	5970	50.26	1	1020	R. Illiman . 11.00–13.00, 15.00–17.00, 21.30–03.00.
CP44	6060	49.50	0.1	1160	R. Popular, 12.00–13.00, 16.00–18.00, 23.00–03.00.
CP18	6070	49.42	0.25		R. El Condor, 11.00–14.00, 16.00–18.00, 22.00–03.00.
CP15	6120	49.02	1	900	R. El Condor, 11.00–14.00, 16.00–18.00, 22.00–03.00.
CP30	6135	48.90	0.5		R. Electra, 16.15–17.30.
CP12	6150	48.78	0.25	1350	R. Fides, 16.00–17.30, 22.00–02.15.
CP9	6185	48.50	0.45	930	R. Amauta, 11.15–13.00, 23.00–03.00.
CP37	6190	48.47	0.25		R. Oruro.
CP38	9444	31.77	1	730	R. La Cruz del Sur, W.: 11.00–12.30, 14.30–17.30, 22.55–02.30. Sun.: 12.00–13.30, 16.00–21.30.
CP24	9466	31.70	0.5	800	R. Abaroa, 11.00–13.00, 15.00–17.00, 21.30–03.00.
CP6	9500	31.58	1	1020	R. Illimani, 11.00–13.00, 15.00–17.00, 21.30–03.00.
CP21	9570	31.35	0.35		R. La Plata, Sucre, 13.00–14.00, 20.30–22.00, 00.30–02.00.

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
CP27	730	411	1	9444	CP4	1020	294	10	5970/9500
CP35	800	375	0.5	9466	CP47	1160	259	0.1	6060
CP20	900	333	0.25	6120	CP29	1350	222	0.08	6150
CP11	930	323	0.15	6185					

+ 17 low power stations less than 1 kW.

R. ILLIMANI – 5970, 9500/1020 kc/s.

ADDRESS: Emisora del Estado, Indaburo 212, La Paz.

R. POPULAR – 6060/1160 kc/s.

ADDRESS: Esteban Arze 158, Cochabamba.

R. EL CONDOR – 6070 kc/s.

ADDRESS: La Plata 1139, Oruro. VERIFICATION by QSL-card.

R. EL CONDOR – 6120/900 kc/s.

ADDRESS: Av. Camacho, Edificio, La Paz. VERIFICATION by QSL-card.

R. ELECTRA – 6135 kc/s.

ADDRESS: Correo Central, Santa Cruz.

R. FIDES – 6150/1350 kc/s.

ADDRESS: Colegio San Calixto, Jenaro Saniinés, La Paz.

R. AMAUTA – 6185/930 kc/s.

ADDRESS: Comercio 386, La Paz.

R. ORURO – 6190 kc/s.

ADDRESS: Casilla 114, Oruro.

R. LA CRUZ DEL SUR – 9444/730 kc/s. FM 103 mc/s.
The station is owned and operated by the Canadian Baptist Mission in Bolivia.

ADDRESS: Cajón 8, La Paz.

LEADING PERSONALITIES: Dir. Gen.: Arthur Wormald. Dir. of Progr.: Miss Jane Hood.

DAILY PROGRAMMES: N.: W.: 17.30, 00.30. On Tues. (silent day) there is no transmission.

INTERVAL-SIGNAL: Opens and closes with "Onward Christian Soldiers".

VERIFICATION by QSL-card. No return-postage required.

R. ABAROA – 9466/800 kc/s.

ADDRESS: Potosi 73, La Paz.

R. LA PLATA – 9570 kc/s.

ADDRESS: 25 de Mayo 41, Sucre.

BRAZIL

All stations commercial exc.: R. Universidad do Rio Grande do Sul, Porto Alegre, Agencia Nacional, PRN9.
Principal Language: Portuguese.

STATIONS: Short Waves:

Call		kc/s	m	kW	m.w.	
ZYV30		2340	128.2	0.5	1470	R. Difusora Brasileira S.A., 21.00–02.00.
ZYR60		2480	121.0	0.5	1370	R. Cultura Araraquara, 11.00–01.30.
ZYR62		3255	92.17	0.5	1090	R. Clube de Marilia (EC), 10.30–02.00.
ZYK21		3265	91.87	1	890	R. Tamandare, Recife (EA), 09.00–03.00.
ZYR31		3275	91.60	1	1210	Bauru Radio Clube, 11.00–14.00, 20.00–02.00.
	*)	3295	91.10	5	1030	Soc. R. Emissora Continental.
ZYJ21		3325	90.23	1	1350	R. Borborema (EA), 21.00–01.00
	*)	3325	90.23	1		R. Difusora Hora Certa (EU).
ZYR59		3335	89.95	0.5	820	A Voz do Sertao (EC), 11.00–02.00.
ZYN22		3345	89.68	1	1010/1440	R. Cultura da Bahia, 11.00–03.00
	*)	3355	89.20	1		R. Eldorado.
		3994	75.1			R. Universidad do Rio Grande do Sul.
ZYY3		4755	63.10	1/0.5	1390	R. Brazil, 11.00–03.00.
		4775	62.84			R. Progresso.
ZYM8		4785	62.70	0,5		R. Ribamar, 21.00–01.00.
ZYY20		4785	62.70	1		R. Difusora do Guapore (G), 12.00–13.30, 15.00–17.30, 21.30–02.30.
	*)	4795	62.45			R. Clube de Piaui.
ZYS8		4805	62.43	5		R. Difusora do Amazonas. 10.00–17.00, 21.00–03.00.
ZYE7		4825	62.18	0.5	1470	R. Educadora de Parnaiba, 14.00–16.00, 20.30–01.00.
ZYV37		4835	62.05	0.5	1390	R. Sociedade Triangulo Mineiro.
ZYU8		4845	61.92	0.5	1370	R. Difusora de Terezina (EA), 20.55–02.00.
ZYR61		4855	61.79	1	590	R. Difusora Taubate, 11.00–03.00.
PRC5		4865	61.66	2	1450	R. Clube do Pará, 21.00–01.30.
ZYV50		4884	61.44	1	1360	R. Cultura de Pocos de Caldas 11.00–02.00.
PRF6		4895	61.29	5		R. Baaré (EA), 21.00–02.00.
ZYZ20		4905	61.16	5	1490	R. Relogio Federal, 24 hours daily.
	*)	4915	61.04	1.5		R. Difusora de Macapa (G).
ZYV32		4925	60.94	1	1090	R. Industrial de Juiz de Fora.
ZYI21		4935	60.80	1	1270	R. Poti (EA), 21.00–01.00.
ZYY9		4975	60.30	2.5	1490	R. Timbira, 11.00–01.00.
ZYZ5		4985	60.19	0.5	1160	R. A Voz do Oéste, 12.00–13.00, 15.00–18.00, 21.00–01.00.
ZYY2		4995	60.06	1	1270	R. Jornal do Brazil Central, 11.00–22.30, 23.00–02.00.
	*)	5015	59.80	10	1150	Fundacao R. Maua(G). Rio de J.
ZYP23		5045	59.46	5		R. Quitandinha, 11.00–16.00, 20.00–03.00.
	*)	5955	50.37			R. Nacional (G).
	*)	5965	50.28	7.5		R. Guaiba, Porto Alegre
PRK5		6000	50.00	5	880	R. Inconfidencia de Minas Gerais (G), 10.00–03.00.
PRA8		6015	49.88	5	720	R. Clube de Pernambuco (EA), 08.55–02.00.
ZYR63		6025	49.79	50	1200	R. Emissora de Piratininga.
		6035	49.71			R. Clube do Brasil. Rio de Jan.
PRB21		6055	49.55	7.5	620	R. Record (EU), 09.00–03.00.
		6061	49.50	10		R. Rural Brasileira (G), 10.00–13.00, 20.00–23.00.
ZYK2		6085	49.30	16	780	R. Jornal do Commercio.
ZYB7		6095	49.22	25	960	R. Difusora Sao Paulo (EA), 10.00–04.00.
ZYN6		6105	49.14	5	1200	Ceara R. Clube (EA), 14.00–16.00, 19.00–21.00 (Mo.–Fri.), 21.00–02.00.
	*)	6125	48.98	7.5	1100	R. Excelsior.
PRC21		6135	48.90	7.5	680	R. Sociedade Gaucha, 10.00–03.00, 20.00–05.00.
PRL9		6147	48.80	50	980	R. Nacional (G), 08.45–04.10.
ZYR58		6165	48.66	7.5	1300	R. Cultura. Sao Paulo
ZYR77		6185	48.50	10	840	R. Bandeirantes, 08.45–03.00,
PRD21		6195	48.43	7.5	1030	Soc. R. Emissora Continental.
PSL		7935	37.81	1.5		Agencia Nacional, 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRN9		9290	32.28	5		R. Difusora de Departemento Federal de Seguranca Publica (G) 12.00–13.00, 19.00–20.30 (exc. Sat.), 21.00–22.00, 22.30–02.00.
PRB22		9505	31.56	7.5	1000	R. Record (EU), 09.00–03.00.
	*)	9545	31.43			R. Nacional (G).
ZYK3		9565	31.37	16	780	R. Jornal do Commercio, 10.00–16.05, 18.00–02.20.
	*)	9585	31.30	7.5/50	1100	R. Excelsior. Sao Paulo
		9595	31.27	20	1010/1440	R. Cultura do Bahia, 11.00–03.00.
ZYC8		9610	31.22	25	900	R. Tamoio (EA), 09.00–04.00.
	*)	9635	31.14	50	1200	Soc. R. Emissora de Piratininga.
ZYV40		9645	31.10	7.5	1350	R. Cultura de Pocos de Caldas, 11.00–02.00.
	*)	9665	31.04			R. Rio (EU). Rio de Janeiro
PRC22		9675	31.01	7.5	680	R. Sociedade Gaucha, 10.00–03.00, 20.00–05.00.
	*)	9685	30.98		890	R. Gazeta. Sao Paulo
		9705	30.91	10	1150	Fundacao R. Maua(G). Rio de J.
PRL7		9720	30.86	50	980	R. Nacional, 08.45–04.10.
	*)	9735	30.82	7.5		R. Emissora do Recife. Recife
ZYR57	*)	9745	30.78	7.5	1300	R. Cultura. Sao Paulo
PRL4		9770	30.70	1	800	R. Ministerio da Educacao e Saude (G), 09.00–12.00, 15.00–02.30.
PSH		10220	29.35	1.5		Agencia Nacional (G), 12.00–13.00, 18.00–19.00, 21.00–23.00.
PRL8	*)	11720	25.60	50	980	R. Nacional.
PRD22		11735	25.56	1	1060	Soc. R. Emissora Continental.
ZYR65	*)	11745	25.54	50	1200	Soc. R. Emissora de Piratininga.
ZYB8		11765	25.50	25	1040	R. Tupi (EA) 10.00–04.00.
	*)	11775	25.48	20	1220	R. Mayrink Vega, Rio de Jan.
	*)	11785	25.46	7.5		R. Guaiba. Porto Alegre
	*)	11795	25.43			R. Clube do Brasil. Rio de Jan.
	*)	11805	25.41			R. Nacional (G).
ZYK32		11825	25.37	16	780	R. Jornal do Commercio, 21.00–02.20.
PRA8		11865	25.28	10	720	R. Clube de Pernambuco (EA).
PRC23	*)	11865	25.28	7.5	680	R. Sociedade Gaucha.
	*)	11885	25.24	10	1150	Fundacao R. Maua(G). Rio de J.
ZYR78		11925	25.17	10	840	R. Bandeirantes, 08.45–16.30, 21.00–03.00.
		11935	25.14	1	1440	R. Clube Paranaense.
PRL5	*)	11950	25.10	1	800	R. Ministerio da Educacao e Saude (G).
PRB24		11965	25.07	7.5	1260	R. Record (EU).
		15105	19.86	10		R. Rural Brasileira (G), 10.00–13.00, 20.00–23.00.
PRC24	*)	15115	19.85	7.5	680	R. Sociedade Gaucha.
PRB23		15135	19.82	7.5	620	R. Record (EU), 09.00–03.00.
ZYK33		15145	19.81	16	780	R. Jornal do Commercio, 10.00–18.00.
ZYB9		15155	19.80	25	960	R. Difusora de Sao Paulo (EA), 10.00–04.00.
ZYN7	*)	15165	19.78	5	1200	Ceara R. Clube, Fortaleza (EA).
PRK9	*)	15190	19.75	5	880	R. Inconfidencia de Minas Gerais, (G).
	*)	15265	19.66	7.5/50	1100	R. Excelsior.
	*)	15295	19.61	50	980	R. Nacional (G).
	*)	15325	19.58		890	R. Gazeta. Sao Paulo
ZYC9		15370	19.52	25	1280	R. Tamoio S.A., (EA), 10.00–03.30.
PRD23	*)	15415	19.47	1	1030	Soc. R. Emissora Continental.
	*)	15445	19.42			R. Rio (EU). Rio de Janeiro
		15525	19.32	20		R. Cultura da Bahia, 11.00–03.00.
	*)	17850	16.81	50	980	R. Nacional (G).

*) Channel authorized, but inactive at present.
EA = Emissoras Associadas; EC = Emissoras Coligadas; EU = Emissoras Unidas; G = Government owned.

Obs.:

Most stations, although having various authorized channels, actually transmit on one or two only at the same time, i.e. they have only one or two transmitters. Those having two s.w. transmitters are: R. Clube de Pernambuco, R. Jornal do Commercio, R. Nacional (Rio), Soc. R. Emissora Continental, Ltda., R. Tamoio, R. Gaucha. Stations having three s.w. transmitters are: R. Difusora Sao Paulo, and R. Record.

Medium Waves

Call	kc/s	m	kW	s.w.
ZYZ22	550	546	10	1)
ZYM5	560	536	10/5	2)
ZYA8	590	509	1/0.5	4855
PRH2	600	500	20	3)
PRH7	620	484	10/5	6055 15135
PRJ6	630	476	1	4)
PRF9	640	469	5	5)
ZYD7	680	441	5	6)
PRC2	680	441	5	6135/9675
PRC7	690	435	3	7)
PRA8	720	417	25	6015/11865
PRA4	740	405	50	8)
PRL6	780	385	20/10	9565/ 11825/15145
PRA2	800	375	25	9770
ZYD8	840	357	10/5	9)
PRH9	840	357	10/5	6185/11925
PRI3	880	341	25	6000
ZYK20	890	337	20/10	3265
PRA6	890	337	5	9685
PRB7	900	333	5	9610
PRJ3	930	323	5	10)
ZYM20	930	323	5	11)
PRF4	940	319	50	12)
ZYO4	960	313	10	13)
PRF3	960	313	10/5	6095
PRE8	980	306	50	6147/9720
PRB9	1000	300	50	9505
PRD8	1030	291	10	6195
ZYK27	1030	291	5	14)
PRG2	1040	289	50	11765
PRD2	1060	283	10	11735
ZYT9	1090	275	1/0.5	4925
ZYN25	1090	275	1	15)
PRI2	1090	275	1/0.5	3255
PRG9	1100	273	50	6125
PRF7	1110	270	5	16)
PRI4	1110	270	10	17)
ZYE20	1130	266	10	18)
PRH8	1150	261	10	9705
PRI9	1160	259	10	19)
PRH3	1160	259	1	4985
PRC9	1170	256	5	20)
ZYI20	1170	256	1	21)
PRE3	1180	254	10	22)
PRE9	1200	250	10	6105
PRB6	1200	250	5	6025
PRG8	1210	248	1/0.5	3275
PRA9	1220	246	50	11775
PRA5	1260	238	10/5	11965
ZYX9	1270	236	10	4995
ZYB5	1270	236	5	4935
PRG3	1280	234	50	15370
PRF5	1160	259	5	23)
ZYR7	1300	231	10	24)
PRE4	1300	231	10/5	6165
ZYG2	1320	227	2	25)
PRH6	1340	224	10/5	26)
ZYO5	1350	222	1	3325
PRH5	1350	222	5	9645
PRC8	1360	221	10	27)
PRD4	1370	219	1/0.5	2480
ZYQ3	1370	219	1	4845
ZYK25	1390	216	1	28)
ZYJ2	1390	216	1/0.5	29)
ZYR72	1390	216	0.1	4755
PRE5	1390	216	1/0.5	4835
PRD5	1400	214	10/5	30)
PRE7	1410	213	10/5	31)
ZYI7	1420	211	2	32)
PRE2	1430	210	5	33)
ZYN20	1440	208	5	3345
PRB2	1440	208	10/5	11935
PRC5	1450	207	5	4865
ZYJ20	1450	207	1	34)
PRB4	1450	207	1	35)
PRC6	1470	204	1/0.5	2340
PRJ4	1470	204	0.5	4825
PRD3	1480	203	1	36)
ZYZ21	1490	201	1	4905
ZYA2	1490	201	2	37)
PRJ9	1490	201	5	4975
ZYX2	1500	200	1	38)

+ 312 low power m.w. stations. less than 1 kw.

FM: 7 stations.

1) R. Eldorado S.A., Rio. 2) R. Sociedade Guairaca, Ltda., Curitiba. 6) R. Soc. Farroupilha, Ltda., Porto Alegre. 4) R. Difusora de Sergipe, Arajaju. 5) R. Difusora Porto Alegrense, Ltda., Porto Alegre. 6) R. Soc. Norte de Minas S.A., Montes Claros. 7) R. Mineira S.A., Belo Horizonte. 8) R. Soc. da Bahia S.A., Salvador. 9) R. Excelsior da Bahia S.A., Salvador. 10) R. Araguari S.A., Araguari. 11) R. Libertade de Sergipe, Ltda., Aracaju. 12) R. Jornal do Brasil S.A., Rio. 13) R. Difusora Alagoana, Ltda., Maceio. 14) R. Olinda Pernambuco, Ltda., Olinda. 15) R. Clube de Conquista, Ltda., Vitoria de Conquista. 16) Soc. R. Cultura de Campos, Ltda., Campos. 17) R. Tabajaras, Joao Pessôa. 18) R. Marajoara, Ltda., Belèm. 19) R. Espirito Santo, Vitoria. 20) R. Educadora de Campinas S.A., Campinas. 21) R. Difusora de Mossoro Ltda., Mossoro. 22) R. Globo S.A., Rio. 23) R. Cariri, Campina Grande. 24) R. Iracema de Fortaleza S.A., Fortaleza. 25) R. Guaicurus S. A., Goiania. 26) R. Guarani S.A., Belo Horizonte. 27) R. Soc. Guanabara Ltda., Rio. 28) Empresa Jornal do Comercio S.A., Pesqueira. 29) R. Sue Fluminence Ltda., Barra Mansa. 30) R. Emissora Roquette Pinto, Rio. 31) R. America S.A., Sao Paulo. 32) Soc. R. Guaruja, Ltda., Florianopolis. 33) R. Vera Cruz S.A., Rio. 34) R.Caturité Ltda., Campina Grande. 35) R. Clube de Santos, Santos. 36) Petropolis R. Difusora S.A., Petropolis. 37) R. Difusora Matogrossense, Ltda., Corumba. 38) R. Arapoan, Ltda., Joao Pessoa.

RADIODIFUSORA BRASILEIRA – 2340/1470 kc/s. – ADDRESS: Caixa Postal 173, Uberlandia. Minas Gerais. – VERIFICATION by letter.

R. CULTURA ARARAQUARA – 2480/1370 kc/s. – ADDRESS: Av. Espanha 284, Araraquara, Sao Paulo. Cable: Radio. – LEADING PERSONALITIES: Dir.: Romulo Lupo. Vice-Dir.: Rolando Lupo. Manager: J. A. Q. Los Santos. – ANNOUNCEMENT: "Emissoras da Radio Cultura Araraquara".

R. CLUBE DE MARILIA – 3255/1090 kc/s. – ADDRESS: Rua Paes Leme 20, Marilia, Sao Paulo.

R. TAMANDARE – 3265/890 kc/s. – ADDRESS: Praca da Independencia 12, Recife, Pernambuco. – VERIFICATION by QSL-card

BAURU RADIO CLUBE – 3275/1210 kc/s. – ADDRESS: Rua° 1 de Agosto 635, Bauru, Sao Paulo. – VERIFICATION by letter.

R. SOC. EMISSORA CONTINENTAL – *3295, 6195, 11735, *15415/1030 kc/s. – ADDRESS: Niteroi, Rio de Janeiro. Station PRD22 (11735 kc/s) is relaying Soc. Radio Emissora Metropolitana (1060 kc/s), Rio.

R. BORBOREMA – 3325/1350 kc/s. – ADDRESS: Rua Cardoso Vieira 36, Campina Grande.

R. DIFUSORA HORA CERTA – *3325 kc/s. – ADDRESS: Atibaia, Sao Paulo.

A VOZ DO SERTAO – 3335/820 kc/s. – ADDRESS: Caixa Postal 5, Pres. Prudente, Sao Paulo.

R. CULTURA DA BAHIA – 3345, 9595, 15525/1010, 1440 kc/s. ADDRESS: Avenida 7 de Setembro Nr. 311, Salvador, Bahia. – LEADING PERSONALITIES: Pres. Eng.: M. R. Rocha. Dir. Eng.: J. R. Rocha. – ANNOUNCEMENT: "ZYN20 e ZYN22, pertencentes a RADIO CULTURA DA BAHIA, da redebahiana de emissoras, irradiando em cadeia para todo o Brasil, em ondas médias, intermediarias, curtas e em F.M.". – VERIFICATION by QSL-card.

R. ELDORADO – *3355 kc/s. – ADDRESS: Rio de Janeiro, Distrito Federal.

R. UNIVERSIDAD DO RIO GRANDE DO SUL – 3994 kc/s (non commercial). – ADDRESS: Porto Alegre, Rio Grande do Sul.

R. BRAZIL – 4755/1390 kc/s. – ADDRESS: Caixa Postal 625, Campinas, Sao Paulo. – VERIFICATION by letter.

R. PROGRESSO – 4775 kc/s. – ADDRESS: Caixa Postal 2071, Sao Paulo.

R. RIBAMAR – 4785 kc/s. – ADDRESS: Caixa Postal 48, Sao Luiz, Maranhao.

RADIODIFUSORA DO GUAPORE – 4785 kc/s. – ADDRESS: Casa do Radio, Porto Velho, Territorio Federal do Guaporé. – INTERVAL-SIGNAL: Gong. – VERIFICATION by QSL-card or letter.

R. CLUBE DE PIAUI – *4795 kc/s. – ADDRESS: Teresina, Piaui.

RADIODIFUSORA DO AMAZONAS – 4805 kc/s. – ADDRESS: Rua Joaquim Sarmento 100, Manaus, Amazonas.

R. EDUCADORA DE PARNAIBA – 4825/1470 kc/s. – ADDRESS: Caixa Postal 31, Parnaiba, Piaui. – VERIFICATION by letter.

R. SOCIEDADE TRIANGULO MINEIRO – 4835/1390 kc/s. – ADDRESS: Uberaba, Minas Gerais.

RADIODIFUSORA DE TERESINA – 4845/1370 kc/s. – ADDRESS: Aerolino de Abreu 1157, Teresina, Piaui.

RADIODIFUSORA TAUBATE – 4855/590 kc/s. – ADDRESS: Taubate, Sao Paulo. – LEADING PERSONALITIES: President: A. Guisard. Dir. Gen.: E. A. Beringhs. Dir. Tec.: B. M. Pereira. Commercial Dir.: E. A. Beringhs Jr. – VERIFICATION by QSL-card.

RADIO CLUBE DO PARA – 4865/1450 kc/s. – ADDRESS: Edificio Bern, Belem, Para. – SIGNATURE-TUNE: "Poem" by Feibich. – VERIFICATION by QSL-card.

R. CULTURA DE POCOS DE CALDAS – 4884, 9645/1350 kc/s. – ADDRESS: Praca Pedro Sanches No. 143, Pocos de Caldas. Minas Gerais. – LEADING PERSONALITIES: Pres.: Dr. José Ribeiro Rocha. Dir. Gen.: Dr. Geraldo Tasso de Andrade Rocha. Dir. Tec.: M. R. Rocha. – News: Every hour on the hour. – ANNOUNCEMENTS in Portuguese, English, French, Spanish. – VERIFICATION by QSL-card or letter.

R. BAARE – 4895 kc/s. – ADDRESS: Ar. Eduardo Ribeiro 586, Manaus, Amazonas.

R. RELOGIO FEDERAL – 4905/1490 kc/s. – ADDRESS: Caixa Postal 4543, Rio de Janeiro, Distrito Federal. – STANDARD TIME SERVICE: Broadcasts short commercial advertisements, weather forecasts, and give the exact time each minute in Portuguese. – VERIFICATION by letter. IRC required.

R. INDUSTRIAL DE JUIZ DE FORA – 4925/1090 kc/s – ADDRESS: Juiz de Fora, Minas Gerais.

R. POTI – 4935/1270 kc/s. – ADDRESS: Av. Deodoro 245, Natal, Rio Grande do Norte. – VERIFICATION by letter.

R. TIMBIRA – 4975/1490 kc/s. – ADDRESS: Edificio da Imprensa Official, Sao Luiz, Maranhao.

A VOZ DO OESTE – 4985/1160 kc/s. – ADDRESS: Rua Barao do Melgaco 484, Cuiaba, Mato Grosso.

R. JORNAL DO BRAZIL CENTRAL – 4995/1270 kc/s. – ADDRESS: Caixa Postal 330, Gofania, Goias. Cable: "Errebece." – LEADING PERSONALITIES: Dir. Gen.: W. C. Quinta. Dir. of News: H. Mesquita. Dir. of Progr.: L. C. P. Neto. – DAILY PROGR.:

Brazil

Mo.: 02.00–02.30. "World at your Home" (News in English, Spanish, Portuguese".) – VERIFICATION by QSL-card or letter. – FUTURE PLANS: Two 5 kW s.w. transmitters 25 and 31 m.b. under construction: ZYY2 5 kW.

R. QUITANDINHA – 5045 kc/s. – ADDRESS: Caixa Postal 5292, Rio de Janeiro. – INTERVAL-SIGNAL: Gong. – SIGNATURE-TUNE: "Aquarelas no Brasil". – VERIFICATION by QSL-card.

R. NACIONAL – *5955, *9545, *11805 kc/s. – ADDRESS: Rua 24 de Maio 208, 13° and., s/24, Sao Paulo.

R. INCONFIDENCIA – 6000, *15190/880 kc/s. – ADDRESS: Caixa Postal 1027, Belo Horizonte, Minas Gerais. – VERIFICATION by QSL-card.

R. CLUBE DE PERNAMBUCO – 6015, 11865/720 kc/s. – ADDRESS: Av. Cruz Cabuga 394, Recife, Pernambuco.– VERIFICATION by QSL-card.

R. EMISSORA DE PIRATININGA – 6025, *9635, *11745/1200 kc/s. – ADDRESS: Praca Patriaca 26, 3° and., Sao Paulo.

R. RECORD – 6055, 9505, 11965, 15135/1000 kc/s. – ADDRESS: Rua da Seminario 199, Sao Paulo. – Stations PRB21 (6055) & PRB23 (15135 kc/s) are relaying, **R. Pan Americana** (620 kc/s), Rua Riachulo 275, 14° andar, Sao Paulo. – Station PRB24 (11965 kc/s) is relaying. **R. Sao Paulo** (1260 kc/s), Sao Paulo.

R. RURAL BRASILEIRA – 6061/15105 kc/s. – ADDRESS: Ministério da Agricultura, Largo da Misericordia, Distrito Federal. – LEADING PERSONALITIES: Dir. of Agricultural Information Service: Manuel Diégues Junior. Dir. of R. Rural: Mario Augusto da Rocha. – The programmes (educational information for the rural population) consist of music, news, reportages and plays.

R. JORNAL DO COMMERCIO – 6085, 9565, 11825, 15145/780 kc/s. ADDRESS: Rua Marques do Recife S/N Recife. Cable: "Radiocommercio". – LEADING PERSONALITIES: Dir. Gen.: Dr. F. Pessoa de Queiroz. English Announcer: Miss Janet Slater Swaton. – DAILY PROGR.: 780 kc/s: 08.55–03.00. 9565 kc/s: 10.00–16.05, 18.00–02.20. 11825 kc/s: 21.00–02.20. 15145 kc/s: 10.00–18.00. News: 10.00–10.15, 11.00–11.05, 15.30–15.45, 16.00–16.05, 21.00–21.15, 22.25–22.30, 01.30–01.35, 02.00–02.20. English on 9565 kc/s: "About Brazil": W.: 01.05–01.30. "Brazil Calling": Sun.: 21.30–21.55. – **During Brazilian summertime 1.12–31.3 all programmes are broadcast 1 hour earlier.** – ANNOUNCEMENT: Portuguese: "Pernambuco Falandopara o Mundo. Radio Jornal do Commercio, Recife, Pernambuco, Brazil". English: "Pernambuco Speaking to the World. This is "Brazil Calling"". – INTERVAL-SIGNAL: Some bars of the Pernambuco Anthem. – VERIFICATION by QSL-card. Return postage required.

R. DIFUSORA SAO PAULO – 6095, 15155/960 kc/s. – ADDRESS: Rua 7 de Abril 230, 7° and., Sao Paulo. – VERIFICATION by QSL-card.

CEARA RADIO CLUBE – 6105, *15165/1200 kc/s. – ADDRESS: Caixa Postal 222, Fortaleza. – VERIFICATION by letter.

RADIO EXCELSIOR – *6125, *9585, *15265/1100 kc/s. – ADDRESS: Rue 24 de Maio, 13°and., s/24, Sao Paulo.

R. SOCIEDADE GAUCHA – 6135, 9675, *11865, *15115/680 kc/s. ADDRESS: Avenida Borges de Medeiros, Edificio Uniao, 119° and., Porto Alegre, Rio Grande do Sul. – DAILY PROGR.: Progr. on 6135 kc/s at 03.00–05.00 dedicated to foreign listeners. – VERIFICATION by QSL-card.

R. NACIONAL – 6147, 9720, *11720, *17850/980 kc/s. – ADDRESS: Praca Maua, 7–20° andar, Rio de Janeiro. – LEADING PERSONALITIES: Dir. Gen.: V. Costa. Administrator: S. Vasconcellos. Dir. of Progr.: P. Tapajos. Dir. Tec.: J. Nobrega. – DAILY PROGR.: On 980, 6147 and 9720 kc/s: 08.45–04.10. On 11720 and 17850 kc/s irregularly. News: 09.45, 11.00, 13.00, 15.55, 20.00, 20.45 (Sun.), 23.25, 01.55, 04.00. Spanish: 20.30 on 9720 kc. – ANNOUNCEMENT: "Ouwem a R. Nacional de Rio de Janeiro, Brazil, transmitindo atravez de suas emissoras de ondas curtas, médias e frequencia modulada". – INTERVAL-SIGNAL: First movement of the Brasilian musical poem: "Luar do Sertao". – VERIFICATION by QSL-card and letter. Return postage not required. – FUTURE PLANS: It is planned to operate two 50 kW s.w. transmitters.

R BANDEIRANTES – 6185, 11925/840 kc/s/FM – 96.1 mc/s. – ADDRESS: Rua Paula Souza 181, 4° and., Sao Paulo. – LEADING PERSONALITIES: Pres.: Joao Jorge Saad. Dir. Gen.: Luiz Cassio dos Santos Werneck. Secretary Gen.: Alberto Saad. Commercial Dir.: Murillo Pereira Leite. Dir. of Progr.: Luiz de Oliveira. – DAILY PROGR.: 840 kc/s: 00.00–24.00. 6185 kc/s: 08.45–03.00. 11925 kc/s: 08.45–16.30, 21.00–03.00. Sport: D. at 22.15. Sat. & Sun. also 17.30–20.00. German & Portuguese: D. 21.30–22.00 on 11925 kc/s. – ANNOUNCEMENT: "Radio Bandeirantes de Sao Paulo, transmitindo simultaneamente pelas suas estaçoes: PRH9 ondas medias, 840 kc/s. ZYR77 ondas curtas, 6185 kc/s. ZYR78 ondas curtas, 11925 kc/s". – INTERVAL-SIGNAL: Vibraphone & organ. – VERIFICATION by QSL-card. – FUTURE PLANS: A Television station to be opened shortly.

AGENCIA NACIONAL – 7935, 10220, *17755, *21580, *24490 kc/s. – ADDRESS: Ministerio da Justicia e Negocios Interiores, Av. Presidente Wilson 164, 8°andar, Rio de Janeiro. – DAILY PROGR.: "A Voz do Brazil" is relayed by all Brazilian stations daily exc. Sun. 21.30–22.00.

R. DIFUSORA DE DEPARTEMENTO FEDERAL DE SEGURANCA PUBLICA – 9290 kc/s. – ADDRESS: Rua da Relacao S/A, Rio de Janeiro. – DAILY PROGR.: Spanish: 19.30–20.00. – VERIFICATION by letter.

R. TAMOIO – 9610, 15370/900 kc/s. – ADDRESS: Av. Venezuela 43, 2° andar, Rio de Janeiro. – VERIFICATION by QSL-card. Return postage required. – Station ZYC9 (15370 kc/s) is relaying **RADIO TUPI** (1280 kc/s), Av. Venezuela 43, 3! andar, Rio de Janeiro.

SHORT WAVE MAGAZINE

One of the world's leading Amateur Radio publications-covering transmission, reception, operating results, competitive working, design and construction. Regular features include »DX Commentary« and »VHF Bands«, outstanding in their fields.

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Postbox 20038, Stockholm 20, Sweden.

R. MINISTERIO DE EDUCACAO – 9770, *11950/800 kc/s. – ADDRESS: Servicio de Radio Difusao Educativa, Praça da Republica 141-A, 3°and., Rio de Janeiro. – DAILY PROGR.: Spanish: 02.00–02.30. – VERIFICATION by letter.

R. TUPI – 11765/1040 kc/s. – ADDRESS: Rua Catalao 48, Sumaré, Sao Paulo. – VERIFICATION by QSL-card.

R. CLUBE PARANAENSE – 11935/1440 kc/s. – ADDRESS: Caixa Postal 1448, Curitiba, Parana. Regular transmissions not yet scheduled. – VERIFICATION by letter. – FUTURE PLANS: Power of s.w. transmitter to be increased to 25 kW.

CHILE

Language: Spanish. All stations commercial.

ASOCIACION DE RADIODIFUSORAS DE CHILE

ADDRESS: Casilla 3591, Santiago. Cable: Archi.

LEADING PERSONALITIES: Pres.: R. Vivado O. Vice Pres.: Jorge Quinteros T. Adm.: Fred. Peake Guevera. Dir.: José María Xicota, Enrique Sánchez Matte, Juan Raggio, Héctor González. Secr.: Julio Menadier Carrasco.

STATIONS: Short Waves: Call letters CE are used for all Zones. Medium Waves: Call letters CA, CB, CC, CD indicate: A=North Zone, B=Central Zone, C=South Zone, D=Austral Zone. The figures indicate the frequencies, f.inst. CB82=Central Zone 820 kc/s.

Short Waves:

Call	kc/s	m	kW	m.w.		Hours of transm.
CE8AA	5750	52.18	0.5	570	R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CE601	6010	49.92	5	1270	Emisoras Norte	11.30–04.00 (B)
CE604	6045	49.63	5	900	R. Libertad	11.00–04.00
CE615	6150	48.78	5	730	R. Cooperativa Vitalicia	11.30–04.00 (B)
CE619	6190	48.47	5	1140	R. Corporacion	11.25–04.00
CE622	6220	48.23	5	1060	R. Soc. Nacional de Mineria	11.30–04.30 (C)
CE766	7660	39.16	1	1010	R. Yungay	11.30–06.30
CE960	9600	31.25	2.5	1300	R. La Americana	10.45–05.00
CE970	9700	30.93	1	760	R. Cooperativa Vitalicia	11.30–04.00
CE1174	11740	25.55	5	930	R. Nuevo Mundo	11.25–05.00
CE1180	11800	25.42	1	570	R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CE1185	11850	25.32	2.5	1380	R. La Aurora	12.00–04.00
CE1190	11900	25.21	5	730	R. Cooperativa Vitalicia	11.30–04.00 (B)
CE1198	11985	25.05	2.5	1060	R. Soc. Nacional de Mineria	11.30–04.30 (C)
CE1515	15150	19.80	5	1140	R. Corporacion	11.25–04.00

Medium Waves:

Call	kc/s	m	kW	s.w.		Hours of transm.
CB57	570	525	15	*)	R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CC59	590	509	1		R. Condor, Concepcion	11.30–04.00 (B)
CB62	620	484	2		R. La Reina, Santiago	12.00–03.30
CB63	630	476	1		R. Prieto, Valparaiso	11.30–04.00 (B)
CD63	630	476	1		R. Sur, Valdivia	11.30–04.00 (B)
CB66	660	455	12		R. Chilena	11.05–04.00
CB68	680	441	2		R. Metro, Vina del Mar	11.30–04.00 (C)
CD69	690	435	1.2		R. La Frontera, Temuco	
CB73	730	411	10	**)	R. Cooperativa Vitalicia	11.30–04.00 (B)
CB76	760	395	75	9700	R. Cooperativa Vitalicia	11.30–04.00 (B)
CD89	890	337	1		R. Polar	11.30–04.00 (B)
CA90	900	333	1	6045	R. Libertad	11.00–04.00
CB90	900	333	1		R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CB93	930	323	10	11740	R. Nuevo Mundo	11.25–05.00
CB101	1010	297	1	7660	R. Yungay, Santiago	11.30–06.30
CD101	1010	297	1		R. Llanquihue	11.30–04.00 (B)
CD103	1030	291	1		R. Cautin	11.30–04.00 (B)
CB106	1060	284	10	***)	R. Soc. Nacional de Mineria	11.30–04.30 (C)
CA108	1080	278	1.5		R. La Serena, La Serena	12.00–03.00 (C)
CD111	1110	270	1.25		R. Austral, Punta Arenas	15.30–03.00
CB114	1140	264	50	****)	R. Corporacion	11.25–04.00
CC116	1160	259	1.5		R. Simon Bolivar, Concepcion	
CB118	1180	254	25		R. Cristobal Colon, Valparaiso	
CD121	1210	248	10		R. Soc. Nacional de Agricultura	10.30–04.30 (A)
CA127	1270	236	0.25	6010	Emisoras Norte	11.30–04.00 (B)
CB130	1300	231	1	9600	R. La Americana	10.45–05.00
CB138	1380	217	15	11850	R. La Aurora	12.00–04.00

*) 5750/11800. **)6150/11900. ***) 6220/11985. ****)6190/15150.
+ 36 low power m.w. stations 1 kW or less. FM: 2 stations.

A=Soc. Nac. de Agricultura. B=Cia Chilena de Communicaciones S.A. C= Soc. Chilena Radiodifusoras S.A.

A: SOCIEDAD NACIONAL DE AGRICULTURA y CIA LTD.

Address: Main Office, Augustinas 718, Santiago.

R. SOCIEDAD NACIONAL DE AGRICULTURA – 5750/11800 kc/s/570, 900, 1210 kc/s.

ADDRESS: CB57, CE1180, CE8AA: Augustinas 718, Santiago. CB90: Casilla 90, Valparaiso. CD121: Casilla 327, Los Angeles.

LEADING PERSONALITY: CB57: Dir.: Sr. Raul Santa Maria.

DAILY PROGRAMMES: N.: 10.30, 11.30, 12.25, 16.45, 17.25, 17.50, 00.55, 02.25. – "French Hour": 17.00. – "German Hour": 00.00. SMT

ANNOUNCEMENT: "Radiosociedad Nacional de Agricultura CB57 onda larga CE575 y CE1180 ondas cortas en las bandas de 52 y 25 metros transmitiendo simultaneamente con sus filiales CB90 de Valparaiso y CD121 de Los Angeles, Chile".

VERIFICATION by QSL-card.

B: CIA. CHILENA DE COMMUNICACIONES S.A.

Address: Main Office, Bandera 236, piso 8°, Santiago.

EMISORAS NORTE – 6010/1270 kc/s.

ADDRESS: Casilla 708, Antofagasta. Cable: "Radionorte".

LEADING PERSONALITY: Dir.: Sr. Eduardo Torrenso.

DAILY PROGRAMMES: N.: 11.30, 17.00, 01.00, 04.00.

R. COOPERATIVA VITALICIA – 6150, 9700, 11900 /730, 760 kc/s/FM 92.1 mc/s.

ADDRESS: CB73, CE615, CE1190: Casilla 1627, Valparaiso. Cable: Vitalradio. CB76, CE970, FM: Bandera 236, piso 8°, Santiago. Cable: Vitalradio.

LEADING PERSONALITIES: CB73: Dir. Gen.: Sr. Luis Falcone. CB76: Dir.: Sr. Jose M. Xicota.

DAILY PROGRAMMES: N.: CB73: 11.30, 17.00, 01.00, 04.00. CB76: 11.30, 12.15, 16.00, 16.45, 17.15, 19.00, 20.00, 21.00, 22.00, 23.00, 23.45, 00.30, 01.00, 02.25, 02.35. – Chilene Music: 01.30. – Sport: Sat. 19.15, Sun. 19.00.

ANNOUNCEMENT: "La Voz de Chile para Toda America". When all stations transmitting simultaneously "Transmite Radio Cooperativa Vitalicia y la Primera Cadena Chilena de Emisoras".

INTERVAL-SIGNAL: Gong with the first 5 notes from the march "Pomp and Circumstances" by Elgar. VERIFICATION by letter.

R. PRIETO – 630 kc/s: Address: Edwards 382, Valparaiso.

R. CONDOR – 590 kc/s: Address: Casilla 486, Concepcion.

R. SUR – 630 kc/s: Address: Casilla 60-D, Valdivia.

R. POLAR – 890 kc/s: Address: Casilla 447, Punta Arenas.

R. LLANQUIHUE – 1010 kc/s:

ADDRESS: Casilla 356, Puerto Montt. DAILY PROGR.: N.: 11.30, 16.45, 22.30, 01.00. Chilene Music: 15.00.

R. CAUTIN – 1030 kc/s: Address: Casilla 169, Temuco.

C: SOCIEDAD CHILENA RADIODIFUSORAS S.A.

R. SOCIEDAD NACIONAL DE MINERIA – 6220, 11985/1060, 680 kc/s.

ADDRESS: CB106, CE622, CE1198: Moneda 973, piso 3°, Santiago. CB68: Casilla 337, Vina del Mar.

LEADING PERSONALITIES: CB106: Dir.: Sr. Enrique Sánchez. CB68: Dir.: Luis Munoz.

DAILY PROGRAMMES: N.: CB106: 11.30, 12.30, 16.45, 17.30, 00.30, 01.00, 02.30, 03.30, 04.00.

ANNOUNCEMENT: "Santiago de Chile, Radio Sociedad Nacional de Mineria".

INTERVAL-SIGNAL: Gong. VERIFICATION by QSL-card.

R. LA SERENA – 1080 kc/s: Address: Casilla 118, La Serena.

R. LIBERTAD – 6045/900 kc/s: ADDRESS: Casilla 457, Antofagasta

LEADING PERSONALITY: Dir.: Sr. Antonio Cajiao. Gonzalez.

R. CORPORACION CHILENA DE BROADCASTING – 6190, 15150/1140 kc/s.

ADDRESS: Morandé 25, Santiago. Cable: Cientocatorce.

LEADING PERSONALITY: Dir.: Sr. Ruperto Vergara.

DAILY PROGRAMMES: N.: 11.30, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 21.00, 22.00, 23.00, 03.00. – **"Italian-Chilene Hour"**: 17.30. – **Chilene Music**: 00.30.

ANNOUNCEMENT: "Transmite CB-114 Radio Corporacion de Santiago-Chile, con sus ondas cortas en 19 y 49 metros".

R. YUNGAY – 7660/1010 kc/s.

ADDRESS: Huerfanos 930, Santiago.

LEADING PERSONALITY: Dir.: Sr. Guillermo Castillo.

DAILY PROGRAMMES: N.: 12.30, 13.00, 13.30, 15.30, 16.00, 16.30, 17.00, 17.30, 18.00, 23.00, 23.30, 00.30, 01.00, 02.30, 04.00. – **"Italian Hour"**: 11.30, 23.30. – **Chilene Music**: 23.00, 01.30.

ANNOUNCEMENT: "CB101 y CE766 Estaciones de Radio Yungay de la Corporacion Chilena de Radiodifusion Ltda. Santiago de Chile".

INTERVAL-SIGNAL: First movement of the song "Donde el Azul de la Noche encuentra el Ovo del Dia". VERIFICATION by letter.

R. LA AMERICANA – 9600/1300 kc/s.

ADDRESS: Nueva York 53, piso 7°, Santiago.

LEADING PERSONALITY: Dir.: Héctor Gonzáles.

DAILY PROGRAMMES: N.: 10.45, 11.30, 12.30, 01.30, 02.30, 03.30. **Time-Signal**: Every 3 minutes. – **Chilene Music**: 18.00. – **"Hebrew Hours"**: 01.00.

INTERVAL-SIGNAL: Gong with notes from the melody "Los Copihues Rojos". VERIFICATION by QSL-card.

R. NUEVO MUNDO – 11740/930 kc/s:

ADDRESS: Almeda 924, piso 7°, Santiago.

LEADING PERSONALITY: Dir. Sr. Juan Raggio.
Daily Programmes: N.: 11.30, 16.15, 17.15, 22.30, 01.00, 03.00.

R. AURORA DE CHILE – 11850/1380 kc/s.

ADDRESS: Plaza Bulnes 47, piso 8°, Santiago.
Daily Programmes: N.: 12.00, 16.00, 19.00, 01.00, 03.00. – **Chilene Music**: 21.00. – **"German Hour"**: 24.00.

R. CHILENA – 660 kc/s – FM 88.1 mc/s.

ADDRESS: Rosas 1269, Santiago.

LEADING PERSONALITY: Dir. Sr. Domingo Arteaga.
Daily Programmes: N.: 11.05, 11.45, 12.00, 17.15, 22.15, 01.05, 01.45. **"French Hour"**: W.: 13.00. – **Classical Music**: 17.30, 23.30, 01.00.

ANNOUNCEMENT: "Esta es Radio Chilena CB66, Santiago de Chile".

COLOMBIA

STATIONS: All stations commercial exc. those marked *) or §). A = St. belonging to CADENA NACIONAL, B = St. belonging to CADENA RADIAL COLOMBIANA. Language: Spanish.

Short Waves:

Call	kc/s	m	kW	m.w.		
HJEL	4765	62.95	5		Radiodifusora de Occidente, Cali	12.00–04.00
HJAB	4785	62.70	5	730	Emisoras Unidas	11.00–05.00
HJFU	4795	62.50	0.75	1250	Voz del Comercio	13.00–04.00A
HJBB	4815	62.31	0.75	1270	La Voz del Cúcuta	12.00–04.00
HJHC	4825	62.18	1	1350	R. Narino	12.00–04.30A
HJKE	4835	62.05	1	920	R. Continental	13.00–02.30
HJGF	4845	61.92	1	1130	R. Bucaramanga	13.00–19.00B
HJFV	4855	61.79	1	1240	R. Neiva	13.00–03.30
HJFX	4865	61.66	0.75	1330	La Voz de Pereira	12.30–04.30A
HJBG	4875	61.54	2.5	1350	La Voz del Norte	13.00–03.30
HJCH	4895	61.29	5	890	La Voz de la Victor	13.00–04.00
HJAG	4905	61.23	1	1050	Emisora Atlantico	12.00–03.00A
HJEQ	4915	61.04	1	1560	La Voz del Cauca	12.00–04.00A
HJAR	4925	60.95	1	1400	R. Colonial	12.30–03.00
HJFR	4935	60.80	1	1440	Ondas de Ibague	11.00–03.00A
HJCW	4945	60.66	1	1160	Emis. Sur America	12.00–04.00
HJAE	4965	60.42	1	930	Emisora Fuentes	11.30
HJFW	5020	59.76	1	1050	Transmis. Caldas	13.00
HJCX	5020	59.76	5	710	La Voz de Colombia	
HJDW	5055	59.36	5	980	La V. de Medellin	12.00–
§) HJKH	5070	59.20	25		Accion Cultural Popular, irregularly	
HJCF	5960	50.34	5	860	La Voz de Bogota	12.00–02.00
HJDY	5980	50.16	5	650	R. Libertad	12.00–04.30
HJKD	6000	50.00	10	830	Em. Nuevo Mundo	11.30–05.15
HJFH	6010	49.92	1	1080	La Voz de Armenia	11.30–04.00B
HJCX	6018	49.85	5	710	La Voz de Colomb.	12.00–24.00
HJEA	6054	49.56	1	1030	R. Pacifico	12.00–04.30A
HJFR	6105	49.14	5	620	R. Manizales	12.00–04.00B
HJED	6135	48.90	1	1150	La Voz del Valle	12.00–04.00
HJDE	6145	48.82	10	770	La Voz de Antioq.	12.00–05.00B
HJKJ	6160	48.70	5	600	Nueva Granada	12.00–04.30A
*) HJCT	6180	48.54	10	680	R. Nacional	15.00–09.00
HJEZ	6195	48.43	5	900	La Voz de Cali	11.30–05.00
HJKF	9520	31.51	10	830	Em. Nuevo Mundo	11.30–05.15
*) HJTC	9600	31.25	15	800	R. Militar	14.00–04.00
*) HJKZ	9630	31.15	10		Mined. Ext. Cultur.	19.00–22.00
*) HJKQ	11715	25.61	10		Mined. Nal. Cultur.	19.00–22.00
*) HJKS	11955	25.10	15	680	R. Nacional	22.00–24.00
*) HJKR	17855	16.80	10	680	R. Nacional	22.00–24.00

Medium Waves:

Call	kc/s	m	kW	s.w.	Call	kc/s	m	kW	s.w.
HJKL	600	500	10	6160A	HJFJ	1050	286	1	5020A
HJFB	620	484	20	6105B	HJFM	1080	278	0.75	6010B
HJDO	650	462	25	5980	HJGE	1130	266	1	4845B
*) HJKA	680	441	10	**)	HJEB	1150	261	1	6135
HJCZ	710	423	10	6018	HJCO	1160	259	1	4945
HJAN	730	423	10	4785B	HJBJ	1170	256	2	3)
HJKM	740	405	5	1)	HJDI	1240	242	5	4)
HJDK	770	390	10	6145B	HJAU	1240	242	2.5	5)
*) HJTA	800	375	10	9600	HJFP	1240	242	1	4855
HJKC	830	361	10	***) B	HJFG	1250	240	1	4795A
HJCE	860	349	10	5960	HJBC	1270	236	0.75	4815
HJCI	890	337	10	4895	HJFE	1330	226	0.75	4865A
HJEY	900	332	10	6195	HJBF	1350	222	0.75	4875
HJCS	920	326	1	4835	HJHA	1350	222	1	4825A
HJAF	930	323	1	4865B	HJAP	1400	214	0.75	4925
HJCA	950	316	5	2)	HJFL	1440	208	1	4935A
HJDB	980	306	10	5055A	*) HJKV	1560	192	2	6)
HJER	1030	291	1	6054A	HJEA	1560	192	1	4915A
HJAH	1050	286	1	4905A					

+57 low power commercial and 15 low power cultural stations.
*) Cultural. §) Religious. **) 6180/11955/17855 kc/s. ***) 6000/9520 kc/s. FM: 11 stations.

1) R. Capital, Bogota. 2) La V. del Tolima, Ibague. 3) La Voz de Santa Marta, Santa Marta. 4) Em. Pontificia Bolivariana, Medellin. 5) Ond del Simu, Monteria. 6) La V. de Maria, Bogota.

EMISORAS UNIDAS – 4785/730 kc/s/FM – 90.0 mc/s (B)

ADDRESS: Paseo de Bolivar y Avenida 13 de Junio, Apartado Aereo 154, Nacional 324, Barranquilla. Cable: Emisunidas.

LEADING PERSONALITIES: Directors and Owners: Sr. Rafael Roncallo Vilar, Sr. Rafael Fuentes. Dir. Gen.: Sr. Benigno Martinez de la Torre. Dir. of Progr.: Sr. Antonio Ahumada. Dir. Tec.: Sr. José Daniel Sánchez.
Daily Programmes: N.: 11.00, 17.00, 23.00. – **Time-Sig.**: Every half hour. – **Religious Progr.**: Protestant Service: Sun. 16.00–16.30. – Catholic Service: Sun. 00.00–00.30. – **Sport**: D.: 11.50, 17.20, 23.20. **Station Identification**: Every half hour. – **Columbian Music**: W.: 13.30–14.00. – **Request Programmes**: W.: 14.00–14.30, 22.00–22.30.

LA VOZ DEL COMERCIO – 4795/1250 kc/s. ADDR.: Armenia.

LA VOZ DE CUCUTA – 4815/1270 kc/s. – ADDRESS: Cucu

R. NARINO – 4825/1350 kc/s.

ADDRESS: Apartado Aéreo 390, Pasto. Cable: Radionariño.

LEADING PERSONALITIES: Dir.: Sr. Enrique Becerra B. Adm.: Sr. Marco Santacruz Diaz. Dir. of Progr.: Sr. Segundo Vallejo Martinez.

Daily Progr.: N.: 00.30–00.57, 03.00–03.27. – **N. Headlines**: Every hour. – **Time-Sig.**: Every half-hour. – **Religious Progr.**: D.: 17.30–18.00. – **Colombian Music**: 12.30, 22.00, 00.00. – **Request Progr.**: 16.30 23.30, 02.00. – **Mailbag**: D. 23.00. – **Sport**: D. 23.30.

INTERVAL-SIGNAL: Bells every half-hour.

VERIFICATION by QSL-card or letter.

R. CONTINENTAL – 4835/920 kc/s.
ADDRESS: Radiodifusion Colombiana S.A., Bogota.

R. BUCARAMANGA – 4845/1130 kc/s.
ADDRESS: Bucaramanga. – VERIFICATION by letter.

R. NEIVA – 4855/1240 kc/s. – ADDRESS: Neiva.

LA VOZ DE PEREIRA – 4865/1330 kc/s.
ADDRESS: Radio Cadena Nacional, Pereira.
VERIFICATION by letter.

LA VOZ DEL NORTE – 4875/1350 kc/s. – ADDRESS: Cucutá.

LA VOZ DE LA VICTOR – 4895/890 kc/s.
ADDRESS: Apartado 565, Bogota.

EMISORA ATLANTICO – 4905/1050 kc/s.
ADDRESS: Calle 34, No. 43–146, Apt. 174, Barranquilla. Cable: Emisatlan. – VERIFICATION by QSL-card.

LA VOZ DEL CAUCA – 4915/1560 kc/s. – ADDRESS: Popayán.

R. COLONIAL – 4925/1400 kc/s. – ADDRESS: Calle de Porvenir, Cartagena.

ONDAS DE IBAGUE – 4935/1440 kc/s. – ADDRESS: Ibague.

EMISORA SUR AMERICA – 4945/1160 kc/s.
ADDRESS: Correo 8a No. 12–23, Bogota. – ANNOUNCEMENTS in Spanish and English. – VERIFICATION by QSL-card.

EMISORA FUENTES – 4965/930 kc/s. – ADDRESS: Cartagena.

TRANSMISSORA CALDAS–5020/1050 kc/s. ADDR.: Manizales.

LA VOZ DE MEDELLIN – 5055/980 kc/s.
ADDRESS: Radio Cadena Nacional, Apartado 1244, Medellin.
VERIFICATION by letter.

ACCION CULTURAL POPULAR – 5070 kc/s.
ADDRESS: Emisora HJKH, Accion Cultural Popular, Sutatenza.
LEADING PERSONALITY: Dir.: Rev. Father J. J. Salcedo.
DAILY PROGR.: Irregularly schedule, but usually 11.00–12.00, 21.00–22.00, 23.30–01.00. Progr. mainly for students. – **English** for Australia and N. Zealand Sat. 10.45–11.00 irregularly.

LA VOZ DE BOGOTA – 5960/860 kc/s.
ADDRESS: Apartado 312, Bogotá. – VERIFICATION by letter.

R. LIBERTAD – 5980/650 kc/s.
ADDRESS: Apartado Aereo No. 10–20, Carrera 47 (Sucre) No. 53–29, Medellin. Cable: Radiolibertad. – VERIFICATION by QSL-card or letter.

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EMISORAS NUEVO MUNDO – 6000, 9520/830 kc/s/FM
ADDRESS: Calle 12 No. 6–28, Bogotá. Cable: Nuevomundo.
LEADING PERSONALITIES: Dir.: Sr. Fernando Londoño Henao. Adm. and Dir. of Progr.: Sr. Alvaro Monroy Guzman.
DAILY PROGR.: N.: 12.30, 17.45, 03.00, 05.00. – **Sport:** After each newscast. – **Religious Progr.:** Sat. 23.15. – **Colombian Music:** 13.45, 19.00, 03.15. – **Mailbag:** 03.45.
VERIFICATION by QSL-card.

LA VOZ DE ARMENIA – 6010/1080 kc/s. – ADDRESS: Armenia.

LA VOZ DE COLOMBIA – 5020, 6018/710 kc/s/FM
ADDRESS: Carrera 9a, No. 12–23, Apartados: Postal no. 2665, Aereo No. 3855, Bogota. Cable: Vozcolombia.
LEADING PERSONALITIES: Dir.: Sr. Jesus Alvarez Botero. Dir. of Progr.: Sr. Julio Echeverri S. Dir. Tec.: Sr. Guillermo Padilla. Sports-Announcer: Sr. Pastor Londoño P.
DAILY PROGR.: On 6018 kc/s: 12.00–24.00. On 710 kc/s: 24 hours. N.: 03.00.
ANNOUNCEMENT: "La Voz de Colombia – 710 en su Radio".
INTERVAL-SIGNAL: First notes from Concert in A-minor by Grieg.
VERIFICATION by QSL-card.

R. PACIFICO – 6054/1030 kc/s.
ADDRESS: Radio Cadena Nacional, Apt. Nacional 559, Cali.
VERIFICATION by letter.

R. MANIZALES – 6105, 620 kc/s/+ FM. ADDRESS: Manizales.
LEADING PERSONALITY: Dir.: Sr. L. Otálorá Gomez.
DAILY PROGR.: N.: 17.30, 24.00. – VERIFICATION by letter.

LA VOZ DEL VALLE – 6135/1150 kc/s. – ADDRESS: Cali.

LA VOZ DE ANTIOQUIA – 6145/770 kc/s./FM
ADDRESS: Maracaibo 46–80, Medellin.
LEADING PERSONALITY: Adm.: Sr. A. Toro. – VERIFICATION by QSL-card.

EMISORA NUEVA GRANADA – 6160, 600 kc/s/+ FM
ADDRESS: Radiocadena Bogota, Carrera 15 No. 13–47, Bogota.
LEADING PERSONALITIES: Dir.: Sr. Enrique Ramirez G. Adm.: Sr. José Molina. Coordinator: Sr. Luis Betancourt Tolosa. Dir. of Progr.: Sr. Otto Greifestein.
DAILY PROGR.: On 6160 kc/s: 12.00–24.00. On 600 kc/s: 12.00–04.30. N.: Every hour (2 minutes). – **Religious Progr.:** D.: 23.15–23.30. – **Colombian Music:** D.: 18.15–18.30, 22.00–22.15, 04.00–04.30. Mo. 02.00–02.30. – **Request Progr.:** D.: 14.30–15.00, 21.30–22.00. – **Mailbag:** D. 20.45–21.00. – **Time-Sig.:** Every half-hour. – **Program Preview:** D. 12.00–04.30. – **Sport:** D.: 17.30–18.00, 00.45–01.00 (Sun. Football). – **Bourse:** 17.00, 22.00.
VERIFICATION by letter.

R. NACIONAL – 6180, 11955, 17855/680 kc/s/FM
ADDRESS: Bogotá. – VERIFICATION by QSL-card.

LA VOZ DE CALI – 6195/960 kc/s./FM
ADDRESS: Cali. Cable: Vozcali.
LEADING PERSONALITY: Dir.: Sr. B. Tobón de la Roche.

R. MILITAR – 9600/800 kc/s. – ADDRESS: Bogota.

MINED. EXT./NAL. CULTURAL – 9630/11715 kc/s.
ADDRESS: Bogota.

LA VOZ DE LA PATRIA – 1310 kc/s.
ADDRESS: Apartado Aereo 231, Apartado Nacional 621, Barranquilla.
LEADING PERSONALITY: Dir. Gen.: Sr. Clemento Vasallo Manfroni.
DAILY PROGR.: Sat. until 02.00. N.: W.: 12.00–12.30, 00.00–00.30. **Colombian Music:** W.: 17.00–17.30, D.: 19.00–19.30. – **French Hour:** Sun. 17.30–18.00. – **Italian Hour:** Sun. 18.00–19.00. – **Religious Progr.:** Sun. 01.30–02.00.

ECUADOR

All stations commercial exc. HCJB. Principal Language: Spanish.

The prefixes indicate station location:

1	located in the provinces				**Pichincha, Imbabura & Carchi**
2	–	–	–	–	**Guayas & Los Rios**
3	–	–	–	–	**Loja**
4	–	–	–	–	**Manabi & Esmeraldas**
5	–	–	–	–	**Azuay & Chimborazo**
6	–	–	–	–	**Tungurahua & Cotopaxi**

Stations: Short Waves:

Call	kc/s	m	kW	m.w.	
HC5EX	2830	106.0	0.25		R. Cuenca
HC2MX	4470	67.12	0.25	1425	R. Guayaquil
HC4FF	4580	65.59	0.3		R. La Voz de Esmeraldas, 01.00–04.00
HC5HN	4750	63.16	0.25		R. Hermig
HC6LJ	4755	63.10	0.3		R. La Voz de Bolivar
HC4FA	4760	63.03	0.25		R. La Voz de Manabi, 01.00–03.30
HC4DF	4780	62.76	0.2		R. La Voz de Chone
HC1LC	4780	62.76	0.2	824	R. Atahualpa
HC4AS	4785	62.70	0.25		R. La Voz de los Caras
HC5AO	4795	62.50	0.25		R. La Voz del Tomebamba, 16.30–19.00, 23.00–03.30
HC4HV	4800	62.50	0.3		R. La Voz de Jipijapa
HC3RS	4810	62.37	0.25		R. Coro Santa Cecilia
HC4DC	4815	62.31	0.25		R. Cenit
HC6GB	4830	62.10	0.2		R. Nacional Espejo
HC2ET	4835	62.05	0.25	1160	R. El Telegrafo, 12.00–03.30
HC3CV	4850	61.86	0.25		R. Ondas del Zamora
HC4DR	4870	61.60	0.25		R. Miramar
HC1MI	4870	61.60	0.25	1410	R. Gran Colombia, 10.30–15.00 16.30–06.00
HC1GB	4880	61.48	0.3	1310	R. Nacional Espejo
HC2BK	4895	61.29	0.25	1220	R. El Mundo
HC1IM	4900	61.22	0.25		R. La Voz de Imbabura
HC1AR	4910	61.10	0.2		R. La Voz de Montufar
HC5LR	4915	61.04	0.3		R. La Voz de Alausi
HC2MD	4920	60.98	0.2		R. La Voz de la Peninsula
HC1RC	4930	60.90	1	1430	R. Casa de la Cultura, W. 11.30–13.00, 17.00–19.00, 00.00–03.15 (Sat. 04.00), Sun. 11.00–13.00
HC1RQ	4945	60.67	0.25	1360	R. Quito
HC5HP	4960	60.48	0.25		R. Ondas Ecuatorianas 02.00–04.00
HC5JE	4980	60.24	0.25		R. Ondas Azuayas
HC3CD	4990	60.12	0.4		R. Ondas Castellanas
HC6EM	5020	59.76	0.25		R. Cosmopolita
HC5AL	5025	59.70	0.2		R. Astral
HC6GT	5195	57.75	0.3	1320	R. Continental
HC5GE	5965	50.28	0.25	1480	R. Mundial
HC1JT	5970	50.25	0.2		R. Jota
HC6RT	5980	50.16	0.3	1355	R. Paz y Bien
HC6GY	5990	50.08	0.3		R. Luz, 11.00–14.00, 17.30–19.30, 22.00–01.00, 02.00–04.00
HC6VM	6000	50.00	0.2		R. 11 de Noviembre
HC4EB	6015	49.88	0.25		R. Manta, 16.30–18.00, 23.30–04.00
HC4DY	6020	49.83	0.3		R. Iris
HC1RP	6025	49.79	0.2	880	R. Catolica
HC2RQ	6030	49.75	0.25		R. La Voz del Tropico
HCJB	6050	49.59	0.8	700	La Voz de los Andes
HC1AC	6060	49.50	0.25	1280	R. La Voz de la Democracia, 17.00–21.00, 23.00–04.30
HC2FQ	6065	49.46	0.3	1400	R. Continental, 16.45–04.00
HC2AQ	6070	49.42	0.2	1450	Nueva Radio Ortiz
HC5PT	6095	49.22	0.25		R. La Voz del Perpetuo Socorro
HC5JA	6100	49.18	0.25		R. Atenas
HC4LT	6115	49.06	0.3		R. Costa Azul
HC2FB	6130	48.94	0.25	1140	R. Nacional Condor, 00.00–05.00
HC5FD	6140	48.86	0.2		R. Federacion Deportiva
HC2PJ	6170	48.62	0.2		R. Fulminense
HC1FM	6185	48.50	0.25		R. Equinoccial, 22.00–03.30
HC2RL	6400	46.86	0.2		R. Quinta Piedad, 02.00–04.00 (Wed.)
HC2AN	7350	40.81	0.25	1300	R. Cenit 11.30–04.30.
HC3JZ	9570	31.35	0.2		R. Fenix
HCJB	9727	30.84	0.6	700	La Voz de los Andes
HCJB	9745	30.78	0.7	700	La Voz de los Andes
HC2AU	11765	25.50	0.2	1330	R. Atalaya
HC2FW	11805	25.41	0.3	1400	R. Continental
HCJB	11910	25.19	0.4	700	La Voz de los Andes
HCJB	11915	25.17	10	700	La Voz de los Andes
HCJB	15115	19.85	0.4	700	La Voz de los Andes
HCJB	17890	16.77	10	700	La Voz de los Andes

Medium Waves:

Call	kc/s	kW	s.w. or name	Call	kc/s	kW	s.w. or name
HCJB	700	0.8	*)	HC6GQ	1320	0.3	5195
HCJB	760	0.5	*)	HC2AU	1330	0.2	11765
HC1LC	824	0.2	4780	HC6RT	1355	0.3	5980
HC1RP	880	0.2	6025	HC1RQ	1360	0.25	4945
HC2AK	1050	1	[1])	HC2FL	1400	0.3	6065/11805
HC2FB	1140	0.25	6130	HC1MJ	1410	0.25	4870
HC2ET	1160	0.25	4835	HC2MB	1425	0.25	4470
HC2BK	1220	0.25	4895	HC1BX	1430	0.25	4930
HC1AB	1280	0.25	6060	HC2AQ	1450	0.2	6070
HC2DC	1300	0.25	7350	HC5GE	1480	0.25	5965
HC1GB	1310	0.3	4880				

*) 6050/9727/9745/11910/11915/15115/17890 kc/s.

\+ 34 low power stations less 1 kW.

[1]) Cia Radiodifusora del Ecuador, Av. Olmedo 110, Guayaquil.

R. CUENCA – 2830 kc/s. Address: Pdre. Aguirre 104, Cuenca. Leading Personality: Dir. & Owner: Sr. J. Salvador Sánchez.

R. GUAYAQUIL – 4470/1425 kc/s. Address: Lavallen 222, Guayaquil. Leading Personality: Dir. & Owner: Sr. Josè Camposano S.

R. LA VOZ DE ESMERALDAS – 4580 kc/s. Address: Palacio Municipal, Esmeraldas. Owner: Concejo Municipal.

R. HERMIG – 4750 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Dr. Vitor A. Fernandez.

R. LA VOZ DE BOLIVAR – 4755 kc/s. Address: Guaranda. Leading Personality: Dir. & Owner: Sr. Luis Alarcon R.

R. LA VOZ DE MANABI – 4760 kc/s. Address: Av. Bolivar, Portoviejo. Leading Personality: Dir. & Owner: Sr. César Chavez Canarte.

R.LA VOZ DE CHONE – 4780 kc/s. Address: Chone. Leading Personality: Dir. & Owner: Sr. Otmaro Castro Intriago.

R. ATAHUALPA – 4780/824 kc/s. Address: Sucre 251, Quito. Leading Personality: Dir. & Owner: Sr. Carlos Larrea Cordóva.

R. LA VOZ DE LOS CARAS – 4785 kc/s. Address: Sucre 1922, Bahia. Leading Personality: Dir. & Owner: Sr. Alejandro Nevarez Pinto.

R. LA VOZ DEL TOMEBAMBA – 4795 kc/s. Address: Apartado 23, Cuenca. Leading Personality: Dir. & Owner: Sr. Humberto Espinoza.

R. LA VOZ DE JIPIJAPA – 4800 kc/s. Address: Jipijapa. Leading Personality: Dir. & Owner: Sr. Honorato Vasques.

R. CORO SANTA CECILIA – 4810 kc/s. Address: Loja. Owner: Asociacion Juventud Femen.

R. CENIT – 4815 kc/s. Address: Ensenadita, Manta. Leading Presonality: Dir. & Owner: Sr. Washington Delgado Cepeda.

R. NACIONAL ESPEJO – 4830, 4880/1310 kc/s. Addresses: HC6GB – Latacunga. HC1GB – Esmeraldas 856, Quito. Leading Personality: Dir. & Owner: Sr. Gerardo Berborich.

R. EL TELEGRAFO – 4835/1160 kc/s. Address: 10 de Agosto 601, Guayaquil. Owner: Cía. El Telegrafo.

R. ONDAS DEL ZAMORA – 4850 kc/s. Address: 24 de Mayo, Loja. Leading Personality: Dir. & Owner: Sr. Carlos N. Valarezo.

R. MIRAMAR – 4870 kc/s. Address: Bahia. Leading Personality: Dir. & Owner: Sr. Washington Delgado Cepeda.

EMISORAS GRAN COLOMBIA – 4870/1410 kc/s. Address: Casilla 2246, Quito. Cable: "Emigrancolombia". Leading Personalities: Dir. Gen.: Sr. Eduardo Cevallos C. Dir. of Progr.: Sr. Humberto de la Rosa. Dir. of News: Sr. Gustavo Heroiza Leon. Dir. of Sports Department: Sr. Carlos Rodrigues Coll. Daily Progr.: News: 12.00–13.00, 17.45–18.15, 03.45–04.00. Religious Progr.: "La Voz de la Profecia" Mo. 13.00–13.30. Time-Sig.: Every 15 minutes. Announcement: "Emisoras Gran Columbia – La Voz Deportiva de la Capital, Quito, Ecuador".

R. EL MUNDO – 4895/1220 kc/s. Address: 9 de Octubre, 308, Guayaquil. Leading Personality: Dir. & Owner: Sr. Gabriel Vergara J.

R. LA VOZ DE IMBABURA – 4900 kc/s. Address: Palacio Municipal Apartado 59, Ibarra. Verification by QSL-card.

R. LA VOZ DE MONTUFAR – 4910 kc/s. Address: Centro Obrero, Montufar, San Gabriel.

R. LA VOZ DE ALAUSI – 4915 kc/s. Address: Juan B. Vela, Alausi. Leading Personality: Dir. & Owner: Sr. Luiz Rodriguez, Soria.

R. LA VOZ DE LA PENINSULA – 4920 kc/s. Address: La Libertad. Leading Personality: Dir. & Owner: Sr. Milton Pinargote P.

R. CASA DE LA CULTURA – 4930/1430 kc/s. Address: Avenida 6 Deciembre, Casilla 67, Quito. Leading Personality: Dir. Sr. Jorge I. Guerrero. Verification by QSL-card. Reports are preferred in Spanish. Future Plans: s.w. to be increased to 10 kW.

R. QUITO – 4945/1360 kc/s. Address: Edificio El Comercio, Quito. Leading Personality: Dir. & Owner: Sr. Carlos Mantilla.

R. ONDAS ECUATORIANAS – 4960 kc/s. Address: Avenida 5 de Junio, Riobamba. Leading Personality: Dir. & Owner: Sr. Fernándo Puyol.

R. ONDAS AZUAYAS – 4980 kc/s. Address: Bolivar 190, Apartado 4980, Cuenca. Leading Personality: Dir. & Owner: Sr. Alberto Cardoso.

R. ONDAS CASTELLANAS – 4990 kc/s. Address: Bolivar 391, Loja. Owner: Colegio La Dolorosa.

R. COSMOPOLITA – 5020 kc/s. Address: Casilla de Correo 261, Calle Bolivar 1807, Ambato. Owner: Federacion de Choferes. Leading Personality: Dir.: L. Enrique Villalobos Vela. Verification by QSL-card.

R. ASTRAL – 5025 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Sr. Arturo Lucero.

R. CONTINENTAL – 5195/1320 kc/s. Address: Meray Bolivar, Ambato. Leading Personality: Dir. & Owner: Sr. Gabriel Tramontana.

R. MUNDIAL – 5965/1480 kc/s. Address: 10 de Agosto 79, Riobamba. Leading Personality: Dir. & Owner: Sr. Galo Encalada.

R. JOTA – 5970/970 kc/s. Address: Tulcan. Leading Personality: Dir. & Owner: Sr. Ing. Abdon Ortiz.

R. PAZ Y BIEN – 5980/1355 kc/s. Address: Ambato. Leading Personality: Sr. Padre Rodriguez.

R. LUZ – 5990 kc/s. Address: Antena del Folklore Ecuatoriano, Calle Quito 418, Apartado Postal 240, Ambato. Leading Personalities: Dir. Gen.: C. A. Soria. Dir. of Progr.: E. Soria E. Daily Progr.: "Balcon Folklorico" 19.00. Ecuadorian Music: 00.00. "Ecos del Ecuador" 23.30. Verification by letter. Return postage requested.

R. 11 de NOVIEMBRE – 6000 kc/s. Address: Latacunga. Leading Personality: Dir. & Owner Sr. Victor Hugo Munoz.

R. MANTA – 6015 kc/s. Address: Apartado 4869, Manta. Leading Personality: Dir. & Owner: Sr. Emilio Bowen Royero.

R. IRIS – 6020 kc/s. Address: Casilla de Correo 142, Avenida Libertad 314, Esmeraldas. Leading Personality: Dir. & Owner: Sr. Daniel Alvarez Tenorio.

R. CATOLICA – 6025/880 kc/s. Address: Maldonado y Rocafuerte, Quito. Leading Personality: Dir. & Owner: Dr. M. Rojas.

R. LA VOZ DEL TROPICO – 6030 kc/s. Address: Quevedo. Leading Personality: Dir. & Owner: Sr. Eduardo Pazoz.

LA VOZ DE LOS ANDES – 6050, 9727. 9745, 11910, 11915, 15115, 17890,/700, 760 kc/s.

International Missionary Station. Owned and operated by the World Radio Missionary Fellowship Incorporated, Talcottuille, Connecticut.

ADDRESS: Casilla 691, Quito. Cable: Vozandes.

LEADING PERSONALITIES: Pres.: C. W. Jones. Vice Pres. and Progr. Dir.: R. Savage. Secretary: A. van der Puy. Treasurer: D. S. Clark.

DAILY PROGRAMMES:

Spanish: x)	Oct./March	Apr./Sept.
D.10.30–14.00	49,19 m.b., 395,428 *)	49,19 m.b., 395,428 *)
D.14.00–16.30 exc. Mo.	49, 19, 395, 428	49, 19, 395, 428
16.30–17.00 Wed., Fri.	49, 19, 395, 428	49, 19, 395, 428
D.17.00–19.30 exc. Mo.	49, 31, 19, 395, 428**)	49,31,19,395,428**)
D.19.30–24.00 exc. Mo.	49, 31, 395, 428	49, 31, 395, 428
D.00.00–02.00 exc. Tues.	49, 31, 25, 19, 395	49,31,25,19,395, 428
D.02.00–04.00 exc. Tues.	49, 395, 428	49, 395, 428
D.06.00–06.30 exc. Tues.	31, 25, 19	31, 25, 19

*) D. from 12.30 also 31 and 25 m.b. **) D. from 17.30 (Sun. 17.00) also 16 m.b.

x) All programmes carried in Spanish on 700 kc/s, (located in Pifo) are simultaneously carried on 760 kc/s with a new transmitter located in Quito and operating with 500 Watts power. All programmes beamed to N. and S. America exc. 06.00–06.30 to Spain.

English:	Farget Area	Oct./March m.b.	Apr./Sept. m.b.
06.30–10.00 exc. Tues.	Pacific	1) 31, 25, 19	31, 25, 19
11.30–12.30 exc. Mo.	N., S. America	2) 31, 25	31, 25
21.00–22.30 exc. Mo.	Europe	3) 19, 16	19, 16
02.00–04.00 exc. Mo.	N. America	4) 31, 25, 19	31, 25, 19
04.00–05.00 exc. Mo.	N. America	4) 49, 31, 25, 19	49, 31, 25, 19

1) "Southern Cross Salute". 2) "Morning in the Mountains". 3) "Quito Calling". 4) "Ecuadorean Echoes."

French: To Europe:		
D. 20.00–20.30 exc. Mo.	19, 25	19, 25
German: To Europe:		
D. 19.30–20.00 exc. Mo.	19, 25	19, 25
D. 23.00–23.30 exc. Mo.	19, 16	19, 16
D. 05.00–05.30 exc. Tues.	31, 25, 19	31, 25, 19
Portuguese: To Brazil:		
D. 10.00–10.30 exc. Tues.	31, 25, 19	31, 25, 19
D. 23.30–24.00 exc. Sun., Mo.	19, 16	19, 16
Russian: To Europe:		
D. 11.00–01.30 exc. Mo.	31, 25	31, 25
16.00–17.00 Sun. only	16	16
17.00–17.30 Wed., Fri.	16	16
D. 05.30–06.00 exc. Tues.	31, 25, 19	31, 25, 19
D. 22.30–23.00 exc. Mo.	16, 19	16, 19
Quechua: (Tues., Thurs., Sat., Sun):		
16.30–17.00	49, 19, 428	49, 19, 428
Swedish: To Europe:		
D. 20.30–21.00 exc. Mo.	19, 25	19, 25
Ukrainian: (Tues., Thurs., Sat.):		
D. 17.00–17.30	16	16
Yiddish: To Europe:		
D. 10.30–11.00 exc. Mo.	31, 25	31, 25

ANNOUNCEMENT: "This is the Voice of the Andes, radio station HCJB, with studios located just fifteen miles south of the line of the equator at Quito, Ecuador in South America".

INTERVAL-SIGNAL: Time Signal each half hour consisting of three short tones followed by a long tone (V=...–) long dash indicating hour or half hour.

VERIFICATION by QSL-card. Return postage is not required.

R. LA VOZ DE LA DEMOCRACIA – 6060/1280 kc/s. Address: Caldas 501, Quito. Leading Personality: Dir. & Owner: Sr. Aziz Nóe Mucarcel.

R. CONTINENTAL – 6065/11805/1400 kc/s. Address: Colon 520, Guayaquil. Leading Personality: Dir. & Owner: Sr. Gabriel Tramontana. Verification by QSL-card.

NUEVA RADIO ORTIZ – 6070/1450 kc/s. Address: Esmeraldas 1012, Guayaquil. Leading Personality: Dir. & Owner: Sr. Ricardo Ortiz.

LA VOZ DEL PERPETUO SOCORRO – 6095 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Sr. Juan C. M. Salazar.

R. ATENAS – 6100 kc/s. Address: Cuenca. Leading Personality: Dir. & Owner: Sr. Jaime Andrade y Cordero.

R. COSTA AZUL – 6115 kc/s. Address: Portoviejo. Leading Personality: Dir. & Owner: Sr. José Cavallero.

R. NACIONAL CONDOR – 6130/1140 kc/s. Address: Boyacà 1205, Casilla 3345. Guayaquil. Leading Personality: Dir. & Owner: Sr. Randolfo Sierra.

R. FEDERACION DEPORTIVA – 6140 kc/s. Address: Federacion Deportiva, Riobamba.

R. FULMINENSE – 6170 kc/s. Address: Babahoyo. Leading Personality: Dir. & Owner: Sr. Jorge Pazos Salvador.

R. EQUINOCCIAL – 6185 kc/s. Address: Avenida Mariano Acosta, Ibarra. Leading Personality: Dir. & Owner: Sr. Azael Terán. Announcement: "Aqui Radio Equinoccial, Ibarra, Ecuador, America del Sur" – La emisora mas popular y fuerte en el norte de la pais".

R. QUINTA PIEDAD – 6400 kc/s. Address: Tomas Martinez No 307, P.O. Box 759, Guayaquil. Leading Personality: Dir.: Dr. Roberto Levi. Verification by letter. Reports can be written in Spanish or English. Future Plans: Increase of power.

R. CENIT – 7350/1300 kc/s. Address: 9 de Octubre 608, Guayaquil. Leading Personality: Dir. & Owner: Sr. Washington Delgado C. Daily Progr. N.: 11.30, 13.00, 22.30, 04.00. Announcement: "HC2DC onda larga 1300 kc/s. HC2AN onda corta 7350 kc/s". Interval-Signal: Serenator china.

R. FENIX – 9570 kc/s. Address: Cia. Industrial Financiera, Zaruma.

R. ATALAYA – 11765/1330 kc/s. Address: Rumichaca 930, Guayaquil. Leading Personality: Dir. & Owner: Sr. Voltaire Paladines.

FALKLAND ISLANDS

BROADCASTING SERVICE (Govt.)

The service is designed primarily for the people of the Falkland Islands, but also the Falkland Island Dependencies, many miles to the south, where there are isolated British Bases in Grahamland, the South Shetland and South Orkney Islands and several whaling stations at South Georgia.

ADDRESS: The Director of Broadcasting, Stanley. Cable: Broadcasts Falklands.

LEADING PERSONALITIES: Dir. Broadcasting: D. M. Naughton. Broadcasting Secretary: Mrs. Hamilton. Chief of Tecnic: Superintendent Posts and Telegraphs A. Mercer.

HOME SERVICE from Stanley in English:
Mo.- Fri. 22.45–01.00. Sat. 21.45–02.00. Sun. 21.45–00.30.
600 kc/s 498 m 5 kW – 6125 kc/s 48.98 m 0.5 kW.

N.: Fri. 23.30. – Weatherrep.: D.: 23.15. – Request Progr.: Fri. 00.00 –01.00. – Religious: Sun.: 23.00–00.00, 01.00–01.30

ANNOUNCEMENT: "This is Falkland Islands Broadcasting Station at Stanley".

VERIFICATION: Reports from S. America will be welcomed and will be acknowledged by letter. Postage not required.

FUTURE PLANS: We hope to provide some entertainment for English-speaking listeners in S. Chile and Argentina as a gesture of good-will.

GUIANA (British)

RADIO DEMERARA (Comm.)

ADDRESS: 30–32 New North Road, Georgetown, British Guiana. Cable: "Broadcast".

LEADING PERSONALITIES: Gen. Man.: W. L. Robinson. Sales Man.: U. A. Goveia. Progr. Dir.: R. A. Khan. Dir. Tec.: E. Mac Dowell. Chief Announcers: Lillian Fraser, Olga Lopes-Seale, Ed. Fung, Jack Casimir & Ayube Hamid.

HOME SERVICE in English: ZFY

1230 kc/s	243.0 m	0.5 kW		09.45–02.15
3255 –	92.17 –	2	–	19.45–02.15
5981 –	50.16 –	2	–	09.45–19.45

N.: 11.15, 16.10, 20.10, 00.45. – **"Alarm Clock Club"**: 09.45. – **"Woman's Window"**: 13.15. – **"Birthday Time"**: 20.15. – **"Make-Believe Ballroom"**: 11.15.

ANNOUNCEMENT: "This is Radio Demerara, British Guiana".

INTERVAL-SIGNALS vary.

VERIFICATION by QSL-card. Return postage not required.

FUTURE PLANS: New studios will be opened in March 1955.

GUIANA (French)

RADIO CAYENNE (Govt.)

ADDRESS: Radio Cayenne, Radiodiffusion Francaise, Prefecture de la Guyane, Cayenne.

HOME SERVICE in French:
6199 kc/s 48.39 m 0.35 kW 22.30–23.30. News: 23.15.

ANNOUNCEMENT: "Ici Cayenne, Radiodiffusion Francaise".

INTERVAL-SIGNAL: Opens and closes with "La Marseillaise".

VERIFICATION by QSL-card.

PARAGUAY

All stations commercial exc. "R. Nacional". Language: Spanish.

Stations: Short Waves:

Call	kc/s	m	kW	m.w.		
ZPA1	5955	50.37	3	1360	R. Nacional,	15.00–17.00, 22.30–03.00
ZPA4	9735	30.82	1.2	730	R. Stentor	15.00–03.00
ZPA3	11850	25.32	1.2	700	R. Teleco	11.35–18.05, 22.00–02.05
ZPA5	11950	25.10	3.0	920	R. Encarnacion	11.00–02.30

Medium Waves:

Call	kc/s	m	kW	s.w.		
ZP3	700	429	10	11850	R. Teleco	11.35–18.05, 22.00–02.05
ZP4	730	411	1	9735	R. Stentor	12.00–03.00
ZP7	900	333	1.5		R. Guarani, Asuncion	
ZP5	920	326	5	11950	R. Encarnacion	11.00–02.30
ZP9	970	309	1		R. La Capital, Asuncion	
ZP1	1360	221	0.5	5955	R. Nacional	15.00–17.00, 22.30–03.00

+ 2 low power stations.

R. NACIONAL – 5955/1360 kc/s.

ADDRESS: Coronel Martinez 224, Asuncion.

DAILY PROGR.: N.: 23.30.

ANNOUNCEMENT: "Transmite ZP1, ZPA1, Radio Nacional de Paraguay desde Asuncion".

VERIFICATION by QSL-card or letter.

R. STENTOR – 9735/730 kc/s.

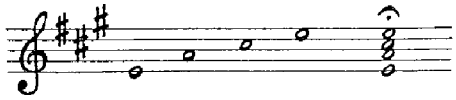
ADDRESS: Palma 285, 2° piso, Asuncion.

LEADING PERSONALITIES: Dir. & Owner: Sr. Manuel Caballero Ferreira. Gen. Man. & Dir. of Music: Sr. K. W. Levinson. Dir. of Progr.: Prof. Fernando Oca del Valle.

DAILY PROGR.: N.: Every hour on the hour.

ANNOUNCEMENT: "Aqui las Emisoras de Radio Stentor con sus estaciones ZP4 y ZPA4 transmitiendo desde Asuncion del Paraguay para el pais y las Americas".

INTERVAL-SIGNAL: Hawaii Guitar.



Opens & closes with a march theme "Estigarribia" (military Paraguayan march) by Dorotea Andrada.
VERIFICATION by letter. No return postage required.
FUTURE PLANS: Increase of power m.w. to 5 kW, s.w. to 2.5 kW.

R. TELECO – 11850/700 kc/s.

ADDRESS: Teleco Paraguaya, S.A. Calle Azara 56, Asuncion.

DAILY PROGR.: N.: 23.00, 23.30 (relay R. Nacional).

ANNOUNCEMENT: "ZP3 y ZPA3 Radio Teleco de Asuncion, Republica del Paraguay". – VERIFICATION by QSL-card.

RADIO ENCARNACION – 11950/920 kc/s.

ADDRESS: Cia Paraguaya de Radiofusion S.A., Encarnacion. Cable: "Madelaire". All letters from foreign countries should be addressed to "Radio Encarnacion", Casilla Postal 120, Posadas, Misiones Republica Argentina.

LEADING PERSONALITIES: Pres. & Owner: Sr. Carlos Madelaire. Dir. of Broadcasting: Sr. Carlos Madelaire jun. Dir. of Progr.: Sr. Jorge Luis Madelaire.

DAILY PROGR.: N.: 12.00, 13.00, 15.30, 20.00, 22.00, 23.00, 23.55, 02.00. – DX-programmes: First Sun. in a month at 24.00. Second Mo. in a month at 21.00. – Religious: Sun. 11.30 "La Voz de la Profesia". Sun. 17.00 "La Voz Luterana". Thurs. 24.00 "La Voz Catolica". – Request Progr.: W. exc. Sat. 20.00–21.00. – Time-Signal: Every hour on the hour. – German Music: Sun. 18.30–20.00.

ANNOUNCEMENT: "ZP5 y ZPA5, Radio Encarnacion de la Ciudad de Encarnacion en Paraguay".

VERIFICATION by QSL-card. Reports in Spanish or German.

PERU

All stations priv. commercial exc. R. Nacional and R. Mundial (Govt.)

Language: Spanish.

NATIONAL ASSOCIACION OF BROADCASTING STATIONS IN PERU

ADDRESS: A cargo de "Radio Victoria", Bajos de la Cabana, Paseo de la Republica, Lima.

STATIONS:
Short Waves:

Call	kc/s	m	kW	m.w.		
OAX4P	5955	50.37	0.25		R. Huanc.	17.00–18.30, 02.00–04.30
OBX4Q	5970	50.25	2	900	R. El Sol	12.00–05.00
OBX4M	5980	50.16	0.5	960	R. Panamericana	
OAX4V	6010	49.92	0.5	1010	R. America	13.00–05.00 (Sat. 06.00)
OAX4Q	6020	49.83	1	780	R. Victoria	12.30–05.00 (Sun. 06.00)
OAX8B	6028	49.77	1	1030	R. Nacional	
OAX6B	6035	49.71	0.15	1400	R. Landa	13.00–05.00
OAX6A	6042	49.65	0.2		R. Arequipa	23.00–04.00
OAX6E	6055	49.55	0.3	1370	R. Continental	12.30–05.00
OAX2A	6057	49.52	0.25	1400	R. Trujillo	23.30–04.30
OAX4Z	6082	49.32	15	854/ 1120	R. Nacional	12.00–05
OAX4H	6095	49.22	1	1080	R. Mundial	12.30–05.00 (Sat. 06.0
OAX6F	6105	49.14	0.3	1250	R. Nacional	
OAX7A	6128	48.96	1	1170	R. Cuzco	16.00–19.00, 23.00–04.00

OAX1A	6150	48.78	0.25	1520	R. Delcar	16.00–19.00, 23.00–05.00
OBX4G	6153	48.75	0.5	1360	R. Excelsior	12.00–05.00
OBX4B	6170	48.62	0.35		R. Azul	22.00–04.30
OAX7C	6175	48.58	0.3	1200	R. Tahuantinsuyo	
OBX4P	6180	48.54	0.3	1250	R. Miraflores	13.00–05.00
OAX4G	6190	48.47	0.25	1200	R. Lima	12.00–05.00
OAX1B	6198	48.41	0.3		R. Piura	12.00–04.30
OAX4S	6216	48.22	0.3	1030	R. San Cristobal	11.15–05.00
OAX6H	9505	31.56	0.1		R. Tacna	23.00–04.00
OAX6W	9510	31.55	0.5	1010	R. America	13.00–05.00 (Sat. 06.00)
OAX4J	9520	31.51	0.25	1320	R. La Cronica	
OAX4K	9545	31.43	0.3	930	R. Central	12.30–05.00
OAX4R	9562	31.37	10	854/		
				1120	R. Nacional	12.00–05.00
OAX5C	9590	31.28	0.2	1460	R. Univers.	16.30–19.00, 22.30–05.00
OAX8C	9610	31.22	1	1030	R. Nacional	
OBX4R	11914	25.18	50	854/		
				1120	R. Nacional	
OAX4T	15150	19.80	10	854/		
				1120	R. Nacional	
OBX4C	15180	19.76	1	900	R. El Sol	12.00–05.00
OBX4T	21600	13.90	50	854/		
				1120	R. Nacional	

Medium Waves:

Call	kc/s	kW	s.w.	Call	kc/s	kW	s.w.
OAX4X	780	2	6020	OAX4B	1200	0.25	6190
OAX4A	854	10	*)	OAX7B	1200	0.3	6175
OBX4X	900	5	**)	OAX4L	1250	0.25	6180
OAX4E	930	0.2	9545	OAX4I	1320	0.25	9520
OAX4D	960	1	5980	OAX6Y	1360	0.5	6153
OAX4U	1010	10	6010/9510	OAX6C	1370	0.25	6055
OAX4O	1030	5	6216	OAX2B	1400	0.25	6057
OAX4F	1080	0.25	6095	OAX6J	1400	0.3	6035
OBX4A	1120	20	*)	OAX5B	1460	0.2	9590
OAX7D	1170	1	6128	OAX1C	1520	0.15	6150

+ 7 low power stations less than 1 kW.
*) 6082/9562/11914/15150/21600. **) 5970/15180.

R. HUANCAYO – 5955 kc/s. – ADDR.: Av. Giraldez No. 368, Huancayo.

LEADING PERSONALITY: Owner: Sr. Alfredo Elejalde Granado. VERIFICATION by QSL-card.

R. EL SOL – 5970, 15180/900 kc/s/FM: 90.1 mc/s.
ADDRESS: Cia. de Producciones Radiales y Television S.A., Psje. Encarnacion 115, Lima.

R. PANAMERICANA – 5980/960 kc/s. – Address: Union No. 1042, Lima.

R. AMERICA – 6010, 9510/1010 kc/s.
ADDRESS: Cia. Peruana de Radiodifusion S.A. Ocoña No. 476, Lima. DAILY PROGR.: English: W.: 17.00. Mo. 02.00.

R. VICTORIA – 6020/780 kc/s.
ADDRESS: Empresa Radiodifusora Victoria S.A., Bajos de "La Cabana", Pasco Republica, Lima.

R. NACIONAL – 6028, 6082, 6105, 9562, 9610, 11914, 15150, 21600/854, 1120, 1030/1250 kc/s.

ADDRESS (for all stations): Avenida P. Thouars No. 441, Lima. (6028/9610/1030 located at Iquitos, 6082/9562/11914/15150/21600/854/1120 located at Lima, 6105/1250 located at Tacna).

DAILY PROGR.: English 18.15, 04.30. Scandinavian Progr.: 22.00–01.00 on 9562 kc/s, 01.30–05.00 on 6082 kc/s. ANNOUNCEMENTS in Spanish, French and English. VERIFICATION by QSL-card.

R. LANDA – 6035/1400 kc/s. – Address: Calle Sucre No. 409, Arequipa.

LEADING PERSONALITY: Owner: Sr. Maximo J. Landa.

VERIFICATION by QSL-card.

R. AREQUIPA – 6042 kc/s.

ADDRESS: S.A. de Radiodifusion, Palacio Viejo No. 106, Arequipa.

R. CONTINENTAL – 6055/1370 kc/s.

ADDRESS: 3er Piso, Teatro Municipal, Arequipa.

LEADING PERSONALITY: Owner: Sr. J. Antonio Umbert F.

ANNOUNCEMENT: "OAX6C y OAX6E, Emisoras de Radio Continental desde Arequipa".

R. TRUJILLO – 6057/1400 kc/s.

ADDRESS: Diego de Almagro No. 349, Trujillo.

LEADING PERSONALITY: Owner: Sr. Juan Dongo Montoya.

VERIFICATION by QSL-card.

R. MUNDIAL – 6095/1080 kc/s. ADDR.: Jiron Union No. 733, Lima.

R. CUZCO – 6128/1170 kc/s. – ADDR.: Sapphi No. 114, Cuzco. LEADING PERSONALITIES: Dir. and Owner: Sr. Carlos Lizarraga Fischer. Dir. Adm.: Doris Rosenthal Pacheeho.
Interval-Signal: Bells of the cathedral. – Verification by QSL-card.

R. DELCAR – 6150/1520 kc/s. – ADDR.: Saenz Peña No. 392, Chiclayo. LEADING PERSONALITY: Owner: Sr. J. Carlos Montjoy D.

R. EXCELSIOR – 6153/1360 kc/s. – ADDR.: Jiron Camana No. 975, Lima.

R. AZUL – 6170 kc/s.
ADDRESS: Empresa Radiodifusora, Jiron Grau No. 252, Apartado No. 19, Cerro de Pasco.

ANNOUNCEMENT: "Desde los pichachos mas alto del Continente, aqu: OXB-4-B, "Radio Azul" la Voz Andina del Peru, principia su asdicion diaria, esperando que los differentes programas que vamos a tener el grado de irradiar, sea del agrado de nuestros oyentes, y esperando ser favorecidos con su sintonia, principiamos con...".
VERIFICATION by QSL-card.

R. TAHUANTINSUYO – 6175/1200 kc/s.

ADDRESS: Portal Comercio No. 165, Cuzco.

R. MIRAFLORES – 6180/1250 kc/s. – ADDR.: Av. Larco No. 760, Miraflores. LEADING PERSONALITY: Dir. Sr. R. Palma.

R. LIMA – 6190/1200 kc/s.

ADDRESS: Av. Nicolás de Piérola No. 462, Altos, Lima.

R. PIURA – 6198 kc/s. – ADDR.: Tacna No. 871, Piura.

LEADING PERSONALITY: Owner: Sr. J. Carlos Montjoy D.

R. SAN CRISTOBAL – 6216/1030 kc/s.

ADDRESS: Huallaga 515, Lima.

LEADING PERSONALITIES: Owner: Sr. Juan Dongo Montoya. Dir.: Alberts Fernandez Mazuelos. Dir. Adm.: Jorge y Rodolfo Roisenvit. Dir. Progr.: Pedro Tello Cadenas.

ANNOUNCEMENT: Spanish: Estas son las Emisoras de Radio San Cristobal, desde Lima, Peru". English: "This is the San Cristobal Radio in Lima, Peru".

INTERVAL-SIGNAL: The first bars of "My Concerto" by Camarata.

VERIFICATION by QSL-card.

FUTURE PLAN: New frequency in 31 m.b.

R. TACNA – 9505 kc/s. – ADDR.: Aniceto Ibarra No. 436, Tacna.

LEADING PERSONALITY: Owner: Sr. José Cáceres Bernal.

DAILY PR.: N. 03.00. VERIFICATION by letter. Reports requested.

R. LA CRONICA – 9520/1320 kc/s.

ADDRESS: Empresa Edit. La Crónica y Variedades, Avda. Tacna No. 655, Lima.

R. CENTRAL – 9545/930 kc/s.

ADDRESS: Jirón Unión No. 1038, Lima.

LEADING PERSONALITY: Owner: Sr. Juan P. Goicochea.

ANNOUNCEMENT: "Radio Central, la emisora mas popular".

R. UNIVERSAL – 9590/1460 kc/s.

ADDRESS: Loreto No. 124/128, Ica.

LEADING PERSONALITY: Owner: Sr. Raul Claux Budge.

SURINAM (Dutch Guiana)

AVROS – ALGEMEENE VEREENIGING RADIO OMROEP (Comm.)

ADDRESS: Avros – Paramaribo, Suriname, Cultuurtuinlaan, P.O. Box 720.

LEADING PERSONALITIES: Chairman of the Board: E. R. Wessels. Vice Chairman of the Board: A. L. R. Smit. Secretary: H. F. van Zuylen. Adm.: Mrs. A. Macmay-Ligtermoet. Station-Dir.: W. H. Lionarons.

STATIONS:
PZH5 5752.5 kc/s 52.11 m 0.35 kW – PZC 15405 kc/s 19.48 m 5 kW

DAILY PROGRAMMES IN DUTCH:
D.: 09.40–11.40, 13.40–17.40 on 5752 kc/s. – N.: 10.00–10.10, 15.25–15.40, 17.35–17.40.
D.: 19.40–01.40 on 5752, 15405 kc/s. – N.: D.: 23.25–23.40, 01.35–01.40. Religious: W. 09.40–09.45. Sun. 12.40–13.10. 14.20–14.50, 22.40–23.40. Fri. only: 22.40–22.55.

Folk Music: Tues. 23.40–00.25. News Commentary: Sun. 16.40–16.55 D. 21.40–01.40, Sun. 10.40–17.40 beamed to Caribbean on 15405 kc/s. N.: W. 23.25, 01.35, Sun. 11.10, 23.40, 01.35.

DAILY PROGRAMMES IN ENGLISH AND SPANISH: 01.40–02.10 beamed to Caribbean (Mo. only).

DAILY PROGRAMMES IN HINDI: Fri. 23.40–00.40, Sun. 19.10–20.40.

ANNOUNCEMENTS: Dutch: "U luistert naar radio-Suriname de AVROS op de 52 en 19 meter band". English: "This is the AVROS broadcasting station in Paramaribo, Surinam, one of your neighbours in South America". Spanish: "Esta es la AVROS, en Paramaribo, capital de Surinam, uno de sus vecinos en la América del Sur".

INTERVAL-SIGNAL: Musical notation: g - c'.

VERIFICATION by QSL-card. No return postage required.

FUTURE PLANS: Two new transmitters of 5 or 10 kW will be ready in 1955.

URUGUAY

ASOCIACION NACIONAL DE BROADCASTERS URUGUAYOS (Andebu)

Uruguay 1218, Montevideo: Pres.: Mr. Solino. Secretary: Mr. H. F. Artucio.

All stations commercial exc. SODRE, CXA8, CXA14 and CX26. Language: Spanish.

STATIONS:

Short Waves:

Call	kc/s	m	kW	m.w.	
CXA2	6000	50.00	5	1170	R. de Montevideo 10.00–03.00
CXA30	6035	49.71	1	1130	R. Nacional 15.00–03.00
CXA14	6055	49.55	5		Servicio de Informacion y Prensa 13.00–16.00
CXA3	6075	49.38	2.5	730	R. Ariel 10.00–03.00
CXA4	6125	48.98	10	650/1290	SODRE 12.00–03.10
CXA5	6140	48.86	2.5		CXA5 10.00–03.00
CXA13	6155	48.74	10	850	R. Carve 14.00–18.00, 22.00–03.00
CXA21	6170	48.62	1	1330	R. Fenix 14.00–16.00, 21.00–01.00
CXA6	9620	31.19	20	650	SODRE 13.00–03.10
CXA8	9640	31.12	3		R. Real de San Carlos 15.00–17.00, 20.00–01.00
CXA7	11735	25.56	5	770	R. Oriental 11.00–15.00, 20.00–02.00
CXA19	11835	25.35	5	810	El Espectador 10.55–03.00
CXA10	11900	25.21	20	650/1290	SODRE 12.00–03.10
CXA64	15225	19.70	25		Serv. de Transmissiones 01.00–03.00
CXA60	15385	19.50	25		– – – 00.00–02.00
CXA57	17715	16.93	10		– – – 14.00–17.00
CXA54	17895	16.76	25		– – – 23.00–01.00
CXA65	25855	11.60	10		– – – 12.00–22.00

Medium Waves:

Call	kc/s	m	kW	s.w.	
CW1	550	546	4.5		R. Popular 11.00–05.00(Sat. 09.00)
CX4	610	492	5		R. Rural 09.58–03.00
CX6	650	462	10	*)	SODRE 12.00–03.10
CX8	690	435	5		R. Sarandi 10.55–03.00
CX10	730	411	5/2.5	6075	R. Ariel 10.00–03.00(Fri. 04.00, Sat., Sun. 05.00)
CX12	770	390	25	11735	R. Oriental 11.00(Sun. 12.00)–02.00(Sat. 03.00)
CX14	810	370	15	11835	El Espectador 10.55–03.00
CX16	850	355	50	6155	R. Carve 10.30–03.00
CX18	890	337	10/5		R. Libertad Sport 11.00–03.00
CX20	930	323	5		R. Montecarlo 10.00 03.00
CX22	970	309	1.5/0.5		R. Universal 10.00–03.00(Sat. 05.00)
CX24	1010	297	2.5		La Voz del Aire 11.45–03.00
CX26	1050	286	5		SODRE 12.00–03.00
CX28	1090	275	5		R. Imparcial 10.00–05.00(Sat. 10.00)
CW31	1120	268	2		R. Salto 11.00–02.00
CX30	1130	266	2.5	6035	R. Nacional 10.00–03.00
CX32	1170	256	5	6000	R. de Montevideo 10.00–03.00
CX34	1210	248	2.5		R. Artigas 12.30–02.30
CX38	1290	233	1/5	*)	SODRE 12.00–03.00
CX40	1330	226	1	6170	R. Fenix 10.00–05.00(Sat. 06.00)
CX42	1370	219	2.5		R. del Pueblo 12.45(Sun. 11.30)–02.30
CW46A	1400	214	5		Difusora Zorilla de San Martin 10.30–01.30
CX44	1410	213	2.5		R. Solis 11.00–03.00(Sat. 05.00)
CX46	1450	207	2.5		R. America 11.00–03.00

*) 6125/9620/11900/11965. + 22 low power stations less than 1 kW.

RADIO DE MONTEVIDEO – 6000/1170 kc/s.

ADDRESS: Compania Uruguaya de Publicidad S.A. Yi 1383, Montevideo. – LEADING PERSONALITY: Dir. Gen. Sr. O. L. Massa.

DAILY PROGR.: N.: 10.00, 11.55, 13.55, 14.45, 15.55, 16.55, 18.55, 19.55, 20.55, 21.55, 22.55, 23.55, 00.55. – Armenian Hour: Sun. 12.00. – Hungarian Hour: Sun. 12.30.

ANNOUNCEMENT: "Sras y Sres tengan Uds. muy buenos dias, CX32, de Montevido, Uruguay y su emisora en ondas cortas CXA2".

RADIO NACIONAL – 6035/1130 kc/s.

ADDRESS: O.R.O. S.A. Plaza Independencia 846, 1er piso (Palacio Salve), Montevideo. – LEADING PERSONALITY: Sr. Miquel Svirsky.

DAILY PROGR.: N.: Every half hour from 10.00.

VERIFICATION by QSL-card.

SERVICIO DE INFORMACION Y PRENSA – 6055 kc/s.

ADDRESS: Ministerio de Ganaderia y Agricultura, Av. 25 de Mayo 385, Montevideo. – VERIFICATION by letter.

RADIO ARIEL – 6075/730 kc/s.

ADDRESS: Av. 18 de Julio 1460, Montevideo. – LEADING PERSONALITY: Dir. Adm.: Sr. Juan U. Pierri. – DAILY PROGR.: N.: 10.03, 10.30, 13.00, 14.15, 15.00, 16.00, 22.00, 23.00. – ANNOUNCEMENT: "Difusoras Ariel, por entermedio de sus ondas CX10 en 730 kc/s y CXA3 en la banda de 49 m". – VERIFICATION by QSL-card.

SERVICIO OFICIAL DE DIFUSION RADIO ELECTRICA (SODRE) – 6125, 9620, 11900, 11965/650, 1050, 1290 kc/s.

ADDRESS: Mercedes 823, Montevideo. Cable: "Sodre".

DAILY PROGR.: N.: 13.00, 15.00, 20.00, 24.00.

ANNOUNCEMENT: "Servicio Oficial de Difusion Radio Electrica, Montevideo con sur emisoras CX6, CX38, CXA4, CXA6, CXA10.

INTERVAL-SIGNAL: First movement of "Campo". VERIFICATION: QSL-card.

CORPORACION DE PUBLICIDAD S.A. – 6140 kc/s.

ADDRESS: San José 808, Montevideo.

RADIO CARVE – 6155/850 kc/s. – **LA VOZ DEL AIRE** 1010 kc/s

ADDRESS: SADREP Ltda., Mercedes 973 Montevideo. Cable: "SADREP".

LEADING PERSONALITY: Sr. Raul Fontaina.

DAILY PROGR.: N.: Every hour on the hour from 11.00–03.00. –

ANNOUNCEMENT: "SADREP, Por intermedio de CX16 Radio Carve de Montevideo, inicia su transmision del dia en una onda de 353 m 850 kc/s des de sus estudios en Mercedes 973 Montevideo".

VERIFICATION by QSL-card.

RADIO FENIX – 6170/1330 kc/s.

ADDRESS: Rio Branco 1366, Montevideo. LEADING PERSONALITY: Sr. Julio J. Rabassa. VERIFICATION by QSL-card.

RADIO REAL DE SAN CARLOS – 9640 kc/s

ADDRESS: Servicio de Transmisiones, Gral. Flores 30, Colonia.

RADIO ORIENTAL – 11735/770 kc/s.

ADDRESS: Olimar 1364, Montevideo. LEADING PERSONALITY: Dir.: Sr. Luis A. Artola. VERIFICATION by letter.

RADIO EL ESPECTADOR – 11835/810 kc/s. – **RADIO LIBERTAD SPORT** – 890 kc/s.

ADDRESS: Difusoras del Uruguay S.A., 18 de Julio 1393, Montevideo. Cable: Difuruguay. LEADING PERSONALITY: Dir. Sr. Victor Soliño.

DAILY PROGR.: N.: Spanish: Every hour on the hour from 11.00–03.00. – Italian: 16.15–16.30 Thurs., Sun. – French: 16.30–16.50 Sat. – Polish: 22.15–22.45 Sun. – English: 23.10–23.30. – ANNOUNCEMENT: in Spanish, Portuguese, French, English. – VERIFICATION: QSL-card.

SERVICIO DE TRANSMISIONES – 15225, 15385, 17715, 17895, 25855 kc/s.

ADDRESS: Sarandi 472, Montevideo.. Cable: "Gentel". – VERIFICATION: By letter.

VENEZUELA

All stations commercial exc. "R. Nacional" (Govt.) and "La Voz de la Fe" (Religious). Language: Spanish.

Stations: Short Waves:

Call	kc/s	m	kW	m.w.		
YVOG	3310	90.63	1	kc/s	R. Trujillo	22.00–02.30
YVQG	3320	90.36	0.25	1390	Voz de Anzoategui	11.00–03.00
YVQL	3330	90.09	0.85	1010	Voz del Tigre, El Tigre	10.00–02.30
YVMU	3340	89.82	1		R. Carora	10.30–03.00
YVKT	3350	89.55	1	880	R. Libertador	10.30–03.00
YVOC	3360	89.26	1	780	Ecos del Torbes	11.30–02.30
YVMI	3370	89.02	0.5	1400	Voz de la Fe 16.30–17.30,	22.30–02.30
YVQN	3380	88.76	7.5	1040	Ondas Portenas	10.30–04.30
YVKX	3390	88.50	2	710	Voz de la Patria	10.30–03.30
YVKP	3400	88.24	2.7	1160	R. Tropical, Caracas	10.30–03.30
YVMK	3410	87.97	2.5	1180	R. Cabimas 14.30–16.30,	09.30–11.30, 20.30 03.00
YVOJ	3420	87.72	1.5	1450	R. Universidad 15.30–18.30,	10.30–12.30, 22.30–03.30
YVMC	3440	87.21	0.7	1150	R. Mara 10.30–13.30,	15.30–03.30
YVLI	3450	86.96	1.2	930	R. Maracay, Maracay	11.00–03.00
YVLC	3460	86.71	1	850	R. Valencia, Valencia	10.30–04.30
YVUI	3470	86.44	1	1080	Emisoras Unidas	11.30–03.30
YVLE	3480	86.21	1	1290	R. Puerto Cabello	11.30–02.30
YVRA	3490	85.96	1	1420	R. Monagas	10.30–04.00
YVLG	3640	82.42	1	660	R. Girardot, Maracay	10.30–03.30
YVMA	4750	63.16	0.5	1300	Ecos del Zulia 15.30–18.30,	10.30–13.30, 20.30–03.30
YVKV	4760	63.03	0.25	1050	Emis. Vargas, L. Guaira	10.30–04.30
YVMW	4770	62.89	1		Ondas del Caribe	11.00–18.30, 20.30–03.30
YVLA	4780	62.76	1	690	Voz de Carabobo	11.30–03.00
YVQC	4790	62.63	1	1400	Ecos del Orinoco	22.30–02.30
YVME	4800	62.50	7.5	1120	Ondas del Lago	10.30–04.30
YVMG	4810	62.37	1	1250	R. Popular	10.30–03.30
YVNB	4820	62.24	1	1130	Ondas de los Medanos	11.30–02.30
YVOA	4830	62.11	5	980	Voz del Tachira	10.30–03.00
YVOI	4840	61.98	1.5		R. Valera 15.45–17.30,	21.30–02.30
YVMS	4850	61.86	3		R. Universo 15.30–18.30,	21.30–02.30
YVPA	4860	61.73	1		R. Yaracay, S. Felipe	10.30–04.30
YVKF	4880	61.48	7.5	950	Ondas Populares	10.30–04.30
YVKB	4890	61.35	10	790	Radiodifusora Venezuela	10.30–04.30
YVQE	4900	61.22	1	920	R. Bolivar	15.30–02.30
YVKR	4920	60.99	10	750	R. Caracas	10.30–04.30
YVMQ	4940	60.73	4	1490	R. Barquisimeto	10.30–03.30
YVMM	4950	60.60	1	1210	R. Coro 11.00–18.30,	20.30–03.30
YVQA	4960	60.48	1	1120	R. Sucre	11.30–03.00
YVLK	4970	60.36	7.5	1030	R. Rumbos 10.30–03.30	(Sat. 06.30)
YVMO	4990	60.12	2	1285	R. Occidental	11.30–03.30
YVKM	5030	59.67	7.5	590	R. Continente, Caracas	10.30–03.50
YVKD	5050	59.41	5	1100	R. Cultura	10.30–04.30
YVKO	6170	48.62	5	630	R. Nacional 15.25–19.30,	21.25–03.30
YVXJ	9510	31.55	5	1490	R. Barquisimeto	10.30–03.30
YVMZ	9530	31.48	0.35/1		10.30–14.30. This frequency is used by "Ondas del Lago", "Ecos del Zulia" & "Radio Popular" until 14.30 and during special evening-transmissions.	
YVSC	9640	31.12	5	630	R. Nacional 15.25–19.30, 21.25–03.30	

Medium Waves:

Call	kc/s	m	s.w.	Call	kc/s	m	s.w.
YVKL	590	508	5030	YVKE	1100	273	5050
YVKA	630	477	6170	YVNE	1120	267	4800
YVLH	660	455	3520	YVQB	1120	267	4960
YVLB	690	433	4780	YVNA	1130	261	4820
YVKY	710	422	3390	YVMD	1150	261	3440
YVQF	720	417	4900	YVKQ	1160	258	3400
YVKS	750	400	4920	YVML	1180	254	3410
YVOD	780	384	3360	YVMN	1210	248	4950
YVKC	790	379	4890	YVMH	1250	240	4810
YVLD	850	353	3460	YVMP	1285	233	4990
YVKU	880	341	4450	YVLF	1290	233	3480
YVLJ	930	323	3450	YVMB	1300	230	5040
YVKG	950	316	4880	YVQH	1390	216	3320
YVOB	980	306	4830	YVMJ	1400	214	3370
YVQM	1010	297	3330	YVQD	1400	214	4790
YVLL	1030	292	4970	YVRB	1420	211	3490
YVQO	1040	289	3380	YVOL	1450	207	3420
YVQJ	1080	278	3470	YVMR	1490	202	4940

FM: 5 stations.

R. TRUJILLO – 3310 kc/s. – ADDRESS: Calle Independencia 200, Trujillo.

LA VOZ DE ANZOATEGUI – 3320/1390 kc/s. – ADDRESS: Apartado 58, Barcelona.

R. CARORA – 3340 kc/s. – ADDRESS: Carora. – VERIFICATION by QSL-card.

R. LIBERTADOR – 3350/880 kc/s. – ADDRESS: Provensa Propagandistas Venezoelanos, Caracas. – News: 23.30–24.00. Italian 00.00–00.15, Portuguese 00.15–00.30. – VERIFICATION by letter.

ECOS DEL TORBES – 3360/780 kc/s. – ADDRESS: Edo. Tachira Calle 9–55, Apt. 152, San Cristobal.

LA VOZ DE LA FE – 3370/1400 kc/s. – ADDRESS: Maracaibo.

ONDAS PORTENAS – 3380/1040 kc/s. – ADDRESS: Apartado 482, Puerto la Cruz.

LA VOZ DE LA PATRIA – 3390/710 kc/s. – ADDRESS: Caracas. – VERIFICATION by QSL-letter.

R. CABIMAS – 3410/1180 kc/s. – ADDRESS: Calle Democracia, Cabimas. – VERIFICATION by letter.

R. UNIVERSIDAD – 3420/1450 kc/s. – Address: Apartado 74, Merida.

R. MARA – 3440/1150 kc/s – ADDRESS: Maracaibo.

EMISORAS UNIDAS – 3470/1080 kc/s. – ADDRESS: Apartado 27, Barcelona.

R. PUERTO CABELLO – 3480/1290 kc/s. – ADDRESS: Apartado 4, Puerto Cabello. – Cable: "Radiobello". – LEADING PERSONALITIES: Adm.: Sr. Ali Caccavale. Dir.: Sr. Santiago Guevara Villalba. Dir. Tec.: Sr. Alejo Zuloaga La Hoz. – VERIFICATION by QSL-card.

R. MONAGAS – 3490/1420 kc/s. – ADDRESS: Apartado 14, Maturin. – VERIFICATION by letter.

ECOS DEL ZULIA – 4750/1300 kc/s. – ADDRESS: La decana de las emisoras de Occidente, Maracaibo.

ONDAS DEL CARIBE – 4770 kc/s. – ADDRESS: Punto Fijo. – LEADING PERSONALITY: Dir.: Sr. Roger Leyba.

LA VOZ DE CARABOBO – 4780/690 kc/s. – ADDRESS: Valencia. – VERIFICATION by QSL-letter.

ECOS DEL ORINOCO – 4790/1400 kc/s. – ADDRESS: Circuito Radiofonico del Sur, C. Bolivar.

ONDAS DEL LAGO – 4800, 9530/1120 kc/s. – ADDRESS: Apartado 261, Calle 99, No. 12–44, Maracaibo. – Cable: "Lagonda". – LEADING PERSONALITIES: Owner: Sr. Nicolas Vale Quintero. Dir. Gen.: Sr. Henrique Ascanio Buroz. Dir. of Progr.: Sr. Luis Guillermo Sanchez. Secretary: Sr. German Montero. Chief of Press Department: Sr. Rafael Gonzalez. – Daily Progr.: National Music: Mo.–Fri. 01.30–02.00. Request Progr.: D. 17.35–18.15. – News: W.: 15.50–16.20. – English: Sat. 22.30–23.00. Sun. 16.00–17.00. – VERIFICATION by QSL-card. IRC's are appreciated but not necessary.

R. POPULAR – 4810/1250 kc/s. – ADDR.: P. O. Box 247, Maracaibo.

ONDAS DE LOS MEDANOS – 4820/1150 – ADDRESS: Coro.

LA VOZ DEL TACHIRA – 4830/980 kc/s. – ADDRESS: Apartado 37, S. Cristobal. Cable: "Voztachira". – LEADING PERSONALITY: Dir. & Qwner: Sr. Jesus M. Diaz Gonzalez. – VERIFICATION by letter.

R. VALERA – 4840 kc/s. – ADDRESS: Calle Bolivar 54, Valera.

R. UNIVERSO – 4850 kc/s. – ADDRESS: Apt. 77, Barquisimeto. – ANNOUNCEMENT: "YVMS, YVMT, R. Universo, Barquisimeto, Venezuela, America del Sur". – VERIFICATION by letter.

ONDAS POPULARES – 4880/950 kc/s/FM 92.0 mc/s. – ADDRESS: Edificio Radio Centro Barcenas A Rio, Caracas, Apt. de Correos 587, Caracas. Cable: "Popolondas". – LEADING PERSONALITIES: Dir.: Sr. Felix Cardona Moreno. Adm.: Sr. Guillermo Tucker. Dir.: Tec.: Sr. Ricardo Girardi. – ENGLISH: W.: 11.30–12.30. – NEWS: 11.50. – Weather 11.45. ANNOUNCEMENT: "Con su trasmisor FM en 92.00 mc/s des de Caracas Venezuela cuna del libertador trasmite Ondas Populares YVKG 590 kc/s YVKF 4880 kc/s". – VERIFICATION by QSL-card or letter.

RADIODIFUSORA VENEZUELA – 4890/790 kc/s. – ADDRESS: "Provensa", Caracas. – NEWS: 10.30, 15.00, 22.30, 02.00. – ENGLISH: W.: 11.30–12.00. – VERIFICATION by QSL-card.

R. BOLIVAR – 4900/920 kc/s. – ADDRESS: Circuito Radiofonico del Sur, C. Bolivar.

R. CARACAS – 4920/750 kc/s. – ADDRESS: Apartado 2057, Caracas. – Cable: "Radio Caracas". – LEADING PERSONALITIES:

VENEZUELA

RADIO CONTINENTE

CARACAS, VENEZUELA
SOUTH AMERICA

If you know Spanish, you have a chance to become acquainted with the wonders of this marvelous country: its climate, costumes, resourses, historical traditions etc. etc. listening to the interesting daily programs of

RADIO CONTINENTE
"First on the dial and first in quality"

If you are not familiar with our language, you can still enjoy our beautiful typical music and music from all over the world.

Programs begin daily at 6.00 a m. until 11 p. m. (GMT + 4 h 30 m.)

Short Wave 5030 kc.
60 meter band

Send in your reports. Verification card will follow.

RADIO CONTINENTE

Caracas Venezuela

South America

Dir.: Sr. Amable Espina. Adm.: Sr. Guillermo Tucker. Dir. Tec.: Sr. José Marcano Coello. – VERIFICATION by QSL-card or letter.

R. BARQUISIMETO – 4940, 9510/1490 kc/s. – ADDRESS: Apartado 76, Barquisimeto. – VERIFICATION by letter.

R. RUMBOS – 4970/1030 kc/s. – ADDRESS: Apartado 514, Caracas. – ENGLISH: Mo., Fri. 23.00–24.00 (for Americans in Venezuela). News in English: 23.45.

R. OCCIDENTAL – 4990/1285 kc/s. – ADDRESS: Barquisimeto.

R. CONTINENTE C. A. (Comm.) – 5030/590 kc/s.

ADDRESS: Bolsa a Padre Sierra 22, altos, Apt. Correos 866, Caracas. Cable: Continente.

LEADING PERSONALITIES: Pr.: Caleb W. White Jr. Dir. Gen.: Juan Francisco Rodriquez. Dir. Tec.: Robert H. Axtell.

DAILY PROGRAMMES: 10.30–03.50.
News: D. 10.30–11.00, 11.30–11.45 and 15 news-bulletins during the day and the night. – Request Progr.: D. 13.30, 16.00. – Progr. Preview: D. 11.30, 16.30, 22.30. – Time-Sign.: D. 10.30, 13.30, 16.30. – National Music: D. 12.30–12.45, 18.00–18.15, 21.00–21.30; Thurs. 12.00–12.30; Sat. Sun. 11.30–12.00, 00.00–00.30, Tues. 00.00–00.30. – Sport: Horserace Sat., Sun. from 22.30. – Baseball: National championship, "Grandes Ligas" and "Habana Cuban Sugar". – VERIFICATION by QSL-card. Return postage not required.

Each Sunday between 12.30 and 15.00 GMT (08.00 and 10.30 a.m. Caracas time) a programme is broadcast entitled "Sunday phantasies". This is drawn up on the basis of selected classical music (opera, symphonies etc.). A considerable body of listeners has been obtained, not only on account of the music selected, but also by reason of the comment made upon it, as in most cases the date of the first performance and other particulars of the work are given.

The Shell hour, which is a very select concert programme, is composed of recognized musicians long associated with us. This program is broadcast every Wednesday from 01.30 to 02.30 (9 to 10 p.m. Caracas time).

R. CULTURA – 5050/1100 kc/s – ADDRESS: La Emisora de los Exitos, Caracas. – ITALIAN: W. 01.30–02.30. – VERIFICATION by QSL-card.

R. NACIONAL – 6170, 9640/630 kc/s. – ADDRESS: Radiodifusora Nacional de Venezuela, Caracas. – News: 16.45, 21.30, 23.30. – English: Mo. 23.30–24.00 (summary of the weeks Venezuelan news), Fri. 01.00. French: Fri. 03.15 ("La semaine a Venezuela"). – VERIFICATION by QSL-card.

STANDARD FREQUENCY STATIONS

RADIO STATIONS WWV AND WWVH (Govt.)

ADDRESS: National Bureau of Standards, Boulder Laboratories, Boulder, Colorado, USA.
LEADING PERSONALITY: W. D. George, Chief, High Frequency Standard Section.

STATIONS:
WWV: 2500 kc 120 m 0.7 – 5000 kc 60 m 8 kW – 10000 kc 30 m 9 kW. – 15000 kc 20 m 9 kW – 20000 kc 15 m 1 kW – 25000 kc 12 m 0.1 kW.
WWVH: 5000 kc 60 m 2 kW – 10000 kc 30 m 2 kW – 15000 kc 20 m 2 kW.
WWV and WWVH broadcast continuously night and day standard radio frequencies, standard audio frequencies, standard time intervals, time-signals and radio propagation disturbance warnings. WWVH is interrupted 4 minutes after each hour and half hour and 34 minutes beginning at 19.00 UT each day.

ANNOUNCEMENT: "National Bureau of Standards, WWV, when the tone returns Eastern Standard time is ... AM or ... PM".
AUDIO FREQUENCIES: 600 c/s and 440 c/s in sequence.

VERIFICATION: Listeners reports answered by QSL-card or letter or both as requested. Return postage not required. – FUTURE PLANS: Continuous operation (night and day) as in the past.

NATIONAL PHYSICAL LABORATORY (Govt.)

ADDRESS: Teddington Middlesex, Gt. Britain.

MSF STANDARD FREQUENCY SERVICE:

60 kc/s	5000 m	10 kW	14.29–15.30/
2500 –	120 –	0.5 –	continuous *)
5000 –	60 –	0.5 –	– *)
10000 –	30 –	0.5 –	– *)

*) exc. for break in transmission from 15–20 minutes past each hour.

ANNOUNCEMENT: Call sign three times in slow Morse. "This is MSF, Rugby, England, transmitting carrier and modulation frequencies within 2 parts in 108 of nominal on 2500, 5000 and 10000 kc/s. A transmission of one hour duration is also radiated on 60 kc/s at 14.29 GMT. Carriers are modulated with 1000 c/s for the first five minutes and with 1 c/s pulses for the second five minutes of each quarter hour. At 15 minutes past each hour all transmissions are interrupted for five minutes. These are experimental transmissions and reports will be welcomed by the National Physical Laboratory, Teddington, Middlesex, England. This is MSF, Rugby, England".

VERIFICATION. Useful reports requested, answered by letter. Return postage not required.

FUTURE PLANS: Pulse period to be extended to 9 minutes in each quarter hour (by Jan. 1955).

INTERNATIONAL TIME SIGNAL

The international time signals of the Royal Greenwich Observatory are radiated as follows: 10.00: 16–9350–13555–17685 kc/s 18.00: 16–12455–17685 kc/s.

TIME SIGNALS FROM DOMINION OBSERVATORY, CANADA

ADDRESS: Dominion Observatory, Ottawa, Ontario.

LEADING PERSONALITY: J. P. Henderson.

STATIONS: 3330 kc/s. 90.09 m 0.3 kW – 7335 kc/s. 40.90 m 3 kW – 14670 kc/s 20.45 m 0.3 kW.

CHU OTTAWA
sends time seconds' beats coutinuously with a dash each hour and letters: »CHU Canada CHU«.

LEARNING LANGUAGES BY RADIO

Compiled by Max Mangold.
1. Listen by special language courses. – 2. Listen to dictation news. – 3. Listen to other broadcasts, preferably to news in your language, immediately afterwards, from the same station, to the same news in the language you are learning.
Underneath we list the countries from which you can hear language-lessons and dictation news, which might interest the listener. The list are based on information we have received from the different stations.

1. LANGUAGE LESSONS

Chinese:
Japan
Taiwan

English:
Austria
Belgium
Denmark
Finland
France
Great Britain**
Haiti
Vietnam
Japan
Korea
Mexico
Mozambique
Rhodesia
Taiwan
Turkey
Uganda

Esperanto:
France

Finnish:
Finland

French:
Denmark
France *)
Germany
Indochina
Japan
Senegal

German:
Austria
Denmark
France
Germany (AFN)
Japan

Hebrew:
Israel

Italian:
France

Russian:
Denmark
Finland

Spanish:
Denmark
France

Swedish:
Finland

Urdu:
Pakistan

*) in English, Polish, Portuguese. **) for several nationalities.

2. DICTATION NEWS

Arabic:
Egypt
India

Chinese:
Taiwan

English:
Australia
Great Britain
USA (AFRTS)

French:
Senegal

Greek:
Greece

Italian:
Italy

Russian:
USSR

WORLD TELEVISION

A world survey based on information received from television stations as answers to questionnairies.

The principal television systems:

Definition refers to the broadcast standard which is normally stated in terms of the number of lines which make up the image. Reference in the following surveys is made throughout merely to 405 lines, 525 lines, 625 lines (CCIR*), 625 lines (Sovjet**) and 819 lines respectively.

Details of these five definitions are given in the following table:

	Systems			
Number of lines per picture	405	525	625*)	819
Video bandwidth (Mc/s)	3	4	5	10.4
Channel width (Mc/s)	5	6	7	14
Sound carrier relative to vision carrier (Mc/s)	—3.5	+4.5	+5.5	—11.15
Sound carrier relative to edge of channel (Mc/s)	0.25	—0.25	—0.25	+0.10
Interlace	2/1	2/1	2/1	2/1
Line frequency (c/s)	10,125	15,750	15,625	20.475
Field frequency (c/s)	50	60	50	50
Picture frequency (c/s)	25	30	25	25
Sense of vision modulation	Positive	Negative	Negative	Positive
Level of black as percentage of peak carrier	30	75	75	25
Sound modulation	AM	FM	FM	AM

*) The International Radio Consultative Committee.

**) The characteristics are the same as 625 lines CCIR exc. for a difference in bandwidth: video bandwidth 6 Mc/s, channel width 8 Mc/s, sound carrier relative to vision carrier +6.5 Mc/s.

THE SPREAD OF TELEVISION

1) Number of TV stations. – 2) Estimated number of TV receivers. – 3) Definition. – * Under construction.

	1)	2)	3)
AFRICA			
Algeria	1*		819
Morocco	2	3.700	819
AMERICA N.			
Alaska	3	5.000	525
Canada	27	800.000	525
USA apprx.400[1]		32.000.000	525
[1] +96 under construction			
AMERICA C.			
Cuba	23[1]	140.000	525
Dominican R.	1	1.000	525
Mexico	6	100.000	525
Puerto Rico	2		525
[1] incl. 11 under construction			
AMERICA S.			
Argentina	3	25.000	625
Bolivia			525
Brazil	5	110.000	525
Colombia	1	400	525
Chile			525
Peru			525
Uruguay	1*		625
Venezuela	3	30.000	625
N. EAST ASIA			
Iraq	1		
Turkey	1	1.000	625

	1)	2)	3)
ASIA, EAST, FAR EAST			
Hawaii	2		525
Japan	19	31.302	525
Philippines	2		525
Thailand	1	100	625
EUROPE			
Belgium	2	20.000	819 /625
Czechoslov.	1	200	625
Denmark	1	1.811	625
France	6	104.689	819
Germany			
Fed. R.	17	53.377	625
Dem. R.	4		625
Gt. Britain	9	3.248.892	405
Holland	2	10.000	625
Hungary	1 exp.		625
Italy	10	61.563	625
Luxembourg	1	25	819
Monaco	1		
Norway	1		625
Portugal	1**		625
Saar	1	1.000	625
Spain	1	1.000	625
Sweden	2		625
Switzerland	4	3.400	625
USSR	5	300.000	625
Yugoslavia	1*		625

** American Forces Radio Television Service.

TELEVISION CHANNELS

The list below gives the technical data on the different systems (type of modulation, number of lines etc.) and the carrier-frequencies for sound and vision for the channels in use.

A: American system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 525
Frame frequency: 30 Mc/s.
Channel width: 6 Mc/s.

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
A-2	55.25	59.75
A-3	61.25	65.75
A-4	67.25	71.75
A-5	77.25	81.75
A-6	83.25	87.75
A-7	175.25	177.75
A-8	181.25	185.75
A-9	187.25	191.75
A-10	193.25	197.75
A-11	199.25	203.75
A-12	205.25	209.75
A-13	211.25	215.75
A-14	471.25	475.75
A-15	477.25	481.75
A-16	483.25	487.75
A-17	489.25	493.75
A-18	495.25	499.75
A-19	501.25	505.75
A-20	507.25	511.75
A-21	513.25	517.75
A-22	519.25	523.75
A-23	525.25	529.75
A-24	531.25	535.75
A-25	537.25	541.75
A-26	543.25	547.75
A-27	549.25	553.75
A-28	555.25	559.75
A-29	561.25	565.75
A-30	567.25	571.75
A-31	573.25	577.75
A-32	579.25	583.75
A-33	585.25	589.71
A-34	591.25	595.75
A-35	577.25	601.75
A-36	603.25	607.75
A-37	609.25	613.75
A-38	615.25	619.75
A-39	621.25	625.75
A-40	627.25	631.75
A-41	633.25	637.75
A-42	639.25	643.75
A-43	645.25	649.75
A-44	651.25	655.75
A-45	657.25	661.75
A-46	663.25	667.75
A-47	669.25	673.75
A-48	675.25	679.75
A-49	681.25	685.75
A-50	687.25	691.75
A-51	693.25	697.75
A-52	699.25	703.75
A-53	705.25	709.75
A-54	711.25	715.75
A-55	717.25	721.75
A-56	723.25	727.75
A-57	729.25	733.75
A-58	735.25	739.75
A-59	741.25	745.75
A-60	747.25	751.75
A-61	753.25	757.75
A-62	759.25	763.75
A-63	765.25	769.75
A-64	771.25	775.75
A-65	777.25	781.75
A-66	783.25	787.75
A-67	789.25	793.75
A-68	775.25	799.75
A-69	801.25	805.75
A-70	807.25	811.75
A-71	813.25	817.75
A-72	819.25	823.75
A-73	825.25	829.75
A-74	831.25	835.75
A-75	837.25	841.75
A-76	843.25	847.75
A-77	849.25	853.75
A-78	855.25	859.75
A-79	861.25	865.75
A-80	867.25	871.75
A-81	873.25	877.75
A-82	879.25	883.75
A-83	885.25	889.75

B: British standards:
Sound: Amplitude mod.
Vision: Positive mod.
Number of lines: 405.
Frame frequency: 25 c/s.
Ch. width: 5 Mc (Ch. 1 7 Mc).

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
B-1	45.00	41.50
B-2	51.75	48.25
B-3	56.75	53.25
B-4	61.75	58.25
B-5	66.75	63.25
B-6	179.75	176.25
B-7	184.75	181.25
B-8	189.75	186.25
B-9	194.75	191.25
B-10	197.75	196.25
B-11	204.75	201.25
B-12	209.75	206.25

E: European system:
Sound: Frequency mod.
Vision: Negative mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 7 Mc/s (ch. 1 only 6 Mc/s).

Channel No.	Vision carrier Mc/s	Sound carrier Mc/s
E-1	41.25	46.75
E-1A	42.25	46.75
E-2	48.25	53.75
E-2A	49.75	55.75
E-3	55.25	60.75
E-4	62.25	67.75
E-4A	82.25	87.75
E-5	175.25	180.75
E-6	182.25	187.25
E-7	189.25	194.75
E-7A	192.25	197.75
E-8	196.25	201.75
E-8A	201.25	206.75
E-9	203.25	208.75
E-10	210.25	215.75
E-11	217.25	222.75

F: French standards:
Sound: Amplitude mod.
Vision: Positive mod.
N. of lines: 819 (ch. F1: 441)
Frame frequency: 25 c/s.
Channel width: 13, 15 Mc/s (ch. 1: 7.6 Mc, ch. 8: 14 Mc).

F-1	46.00	42.00
F-2	52.40	41.25
F-3	56.15	67.75
F-4	65.55	54.40
F-5	164.00	175.15
F-6	173.40	162.25
F-7	177.15	188.30
F-8	185.25	174.10
F-9	186.55	175.40
F-10	190.30	201.45
F-11	199.70	188.55
F-12	203.45	214.60
F-13	212.85	201.70

J: Japanese system:
Sound: frequency mod.
Vision: Negative mod.
Number of lines: 525.
Frame frequency: 30 c/s.
Channel width: 6 Mc/s

J-1	91.25	95.75
J-2	97.25	101.75
J-3	103.25	107.75
J-4	171.25	175.75
J-5	177.25	181.75
J-6	183.25	187.75

R: Russian system:
Sound: Frequency mod.
Vision: Frequency mod.
Number of lines: 625.
Frame frequency: 25 c/s.
Channel width: 8 Mc/s.

R-I	41.75	48.25
R-II	49.75	56.25
R-III	59.25	65.75
R-IV	77.25	83.75
R-1	145.25	151.75
R-2	153.25	159.75
R-3	161.25	167.75
R-4	169.25	175.75
R-5	177.25	183.75
R-6	185.25	191.75
R-7	193.25	199.75
R-8	201.25	207.75
R-9	209.25	215.75

The following pages give you the data of the different TV stations of the world. The channel is indicated by a letter followed by a figure. The letter indicates the technical data of the systems which are in use (A: America, B: British etc.) and the figure is the channel number. The effective radiated power in kW for the vision carrier is indicated; and for the sound carrier the output power normally is 1/4 to 1/2 of the vision power.

On ultra short waves, i.e. bands for FM and TV, it is general practice to specify the apparent or effective radiated power (ERP), which is the

transmitter power multiplied by the power gain obtained by the antenna. This gain is normally accomplished by concentrating the radiated power under a low angle, as the power radiated under higher angles is wasted into space.

EUROPE

BELGIUM (Govt.)

Address: Institut National Belge de Television, 31 rue Dautzenberg, Bruxelles. – **Leading Personalities:** Director French TV: Ph. Kammans. Director Flemish TV: Bert Leysen.
Stations: Bruxelles. – **French Programme:** 19.30–21.30 (exc. Fri.): Definition 819 lines. Modulation: vision positiv, sound AM.
Ch. E8 vision 196.25 mc/s 2 kW, sound 201.75 mc/s 0.5 kW – **Flemish Programme:** 18.30–20.00 (exc. Mo.): Definition 625 lines. Ch. E10 vision 210.25 mc/s 2 kW, sound 215.75 mc/s 0.5 kW. – **Character of Programmes:** Actualities, features, plays etc. – **Future Plans:** At the end of 1954 opening of relay stations: Antwerp (Flemish): 625 lines 48.25 mc/s 0.5 kW. Liége (French): 819 lines 55.25 mc/s 0.5 kW.

DENMARK (Govt.)

Address: Television Department, State Broadcast, Radiohuset, Rosenørnsalle, Copenhagen. – **Leading Personality:** Chief of Programmes: J. Fr. Lawaetz. – **Station:** Ch E4 vision 0.5 sound 0.2 kW.
Daily Programmes: D. 19.00–20.00. Mo. also 14.30–15.00. **Children Hour:** Tues., Thurs. 14.30–15.00. Fri. 17.00–17.30.
Future Plans: Stations planned in Copenhagen, Aarhus, Odense, Rangstrup, Aalborg, Skive, and Næstved – The new station in Copenhagen will open approx. April 1955 vision 10 kW sound 3 kW ChE4.

CZECHOSLOVAKIA

CENTRAL TELEVISION STUDIO, PRAHA (Govt.)
Address: Ceskoslovensky Rozhlas, 12 Stalinova, Praha XII. – **Station:** Ch. R2 49.75 mc/s (vision), 56.25 mc/s (sound). – **Daily Programmes:** Tues., Fri., Sun. 19.00–21.00. Thurs. 17.00–20.00.

FRANCE

RADIODIFFUSION-TELEVISION FRANCAISE (Govt.)

Address: Relations Internationales de la Television, Radiodiffusion-Television-Francaise, 107, rue de Grenelle, Paris 7e. – **Leading Personality:** Dir. Television Progr.: M. D. Arcy.
Stations: Definition 819. Modulation: Sound AM.

		Vision		Sound			
Name	Ch.	mc/s	kW	mc/s	kW	Polarisation	Definition
Paris I	F1	46	25	42	5	vertical	441
Paris II	F8	185.25	150	174.1	35	horizontal	819
Lille	F8	185.25	150	174.1	35	–	819
Strasbourg	F5	164	20	175.15	5	–	819
Lyon-Ville	F5	164	20	175.15	5	–	819
Marseille	F9	186.55	100	175.40	25	–	819

Daily Programmes: Sun. 09.30–12.00, 14.30–18.00, 19.15–21.40. W. 11.45–12.30 and Mo., Tues., Wed., Fri.: 17.30–18.00. Thurs. 15.30–17.15. Sat. 14.00–2200.

GERMANY

GERMAN FEDERAL REPUBLIC

Television has been developed by the various radio organizations (Rundfunkanstalten) and particularly the Nordwestdeutscher Rundfunk.
Relay Facilities for the German television network are constructed by the German postal authorities:
1) Hamburg–Köln with intermediary transmitters at Hannover and Langenberg, a link which uses eight relay towers.
2) a special pick-up at Hamburg for broadcasts to and from Berlin and their relay to and from Hamburg.
3) Continuation of the Hamburg–Köln link to Frankfurt, Stuttgart, Munich and Baden-Baden.
The same programme for all broadcasting organizations in West-Germany, 40% from NWDR, 20% from Bayerischer Rundfunk and 40% from the other organizations.

NORDWESTDEUTSCHER RUNDFUNK

Address: Hamburg-Lokstedt, Gazellenkamp 57.
Leading Personalities: Intendant: Dr. Werner Pleister. Dir. Progr.: Heinz von Plato. Dir. Tec.: Dr. Walter Schwarz. Chief of Press and Information: Klaus Mahlo. Chief Editor: Werner Krüger. Dir. Plays: Hans Fahrenburg. Dir. Adm.: Hans-Joachim Hessling.

Stations:	Vision ch.	Vision kW	Sound kW		Vision ch.	Vision kW	Sound kW
Bonn*)	E 5	0.4	0.08	Hamburg	E 9	100	20
Hannover	E 8	5	1	Köln	E11	5	1
Langenberg	E 9	100	20	Harz West	E10	100	20

*) directional antenna towards Bonn and Godesberg. Frequency changer.
Daily Programmes: W.: 15.30–16.30. D.: 19.00–21.30 (approx.). – **Test-transmissions:** W.: 09.00–10.00 and Mo.-Fri. from 16.30–17.00. – **Characteristic of Programmes:** Childrens Hour. Program Preview. "Vermisstensuchdienst". "Tagesspiegel". Aktuelles. Weatherrep. Variety. Reportage. Entertainment. Interview. Music. Film. – **Stations under Construction.** Will start transmissions in the course of 1955:

Stations:	Vision ch.	Vision kW	Sound kW	Stations:	Vision ch.	Vision kW	Sound kW
Bremen-Oldenburg	E 2	100	20	**Station planned:**			
Kiel	E11	5	1	Flensburg 1)	E 4	50	10
Teutoburger Wald	E11	100	20	Heide	E 5	10	2

1) Non-directional antenna except an area ± 25° in the direction Flensburg-Copenhagen.

BAYERICHER RUNDFUNK

Address: Rundfunkplatz, München. – **Leading Personality:** Director: Dr. Clemens Münster. – **Stations:** Wendelstein Ch E10 vision 10/100 kW. sound 2/20 kW.

BREMEN German T.V. progr. relay.

Ch 3 vision 55.25 mc/s 0.1 kW – sound 60.75 mc/s 0.02 kW.

HESSISCHER RUNDFUNK

Address: Bertramstrasse 8, Frankfurt /Main.
Leading Personalities: Director of Television: Dr. Hans Joachim Lange (programme). – Dir. Tec. :Eng. Kurt Thöm. Eng Wolfgang A. Conrad. – **Stations:** Feldberg TV ChE8 196.26 mc/s 100 kW (vision) 201.76 mc/s 20 kW (sound). – Hoher Meissner Ch. 7 100 kW (vision), 20 kW (sound). – **Daily Progr.:** W. 15.30–16.30, 18.45–21.00. Sun. 11.00–11.30, 14.00–15.30, 18.45–21.00. Children, Sport, Entertainment, Actuality. – Testtransmissions: W.: 13.00–15.30, 16.30–18.45.

SENDER FREIES BERLIN

Address: Sender Freies Berlin, Television Service, Deutschland-Haus, Reichskanzlerplatz, Berlin-Charlottenburg 9 (West Berlin). – **Leading Personality:** Heinz Riek.
Station Berlin Ch. E-7 **vision** 4 kW. **sound** 1 kW. – **Daily Programme:** Relays German Community-Programme 11.00–11.30 (only Sun.), 15.30–16.30; 19.00–21.15 with own programmes.
Future Plans: Vision output to 3 kW.

SÜDDEUTSCHER RUNDFUNK

Address: Neckarstrasse 145, Stuttgart. – **Leading Personality:** Dr. Helmuth Jedele. – **Stations:** Stuttgart T.V. Ch. E11. Vision 0.1 kW. Sound 0.02 kW. – **Future Plan:** Spring 1955 Stuttgart T.V. ChE11 vision 100 kW. sound 20 kW.

SÜDWESTFUNK

Address: Südwestfunk, Abteilung Fernsehen, Moltkestr. 5, Baden-Baden. – **Leading Personalities: Fernseh-Abteilung des SWF:** Abteilungsleiter: Kurt Hinzmann, Künstlerische Leitung und Oberspielleitung: Dr. Karl Peter Biltz, Regieaufgaben: Peter A. Horn. Chefdramaturg: Dr. Ernst Laurenze. Dramturgischer Mitarbeiter: Dr. Hans Holdschmidt. Aktuelle Sendungen: Dr. Wolfgang Brobeil. Kulturelle Programme: Heribert Grüger. Studiobetriebstechnik: Friedrich M. Zaekel.

Stations:	ch.	kW vision	kW sound	Stations:	ch.	kW vision	kW sound
Baden-Baden	E 7	0.04	0.008	Weinbiet	E10	1	0.2
Freiburg	E 7	0.04	0.008	Zweibrücken	E 7	0.04	0.008
Kaiserslautern	E 7	0.04	0.008	**Under construction**			
Koblenz	E 5	0.04	0.008	Hornisgrinde	E 9	2	0.4
Trier	E 6	0.04	0.008	Raichberg	E 4	10	2

Daily Programmes: Sun. 11.00–11.30, 14.00–16.00, 19.00–21.00. Mo. 15.30–16.30, 18.15–19.00 (Sport - Report), 19.00–21.00. Tues. to Sat. 15.30–16.30, 19.00–21.00.

GERMAN DEMOCRATIC REPUBLIC

STATLICHES RUNDFUNK-KOMITEE (Govt.)
Address: Fernsehzentrum Berlin - Adlershof, Rudowerchausse 116, Berlin. – **Leading Personalities:** Dir.: Heintz Adameck. – Dir. Tec.: Ernst Augustin.

Stations:	ch.	vision	sound	Stations:	ch.	vision	sound
Berlin-Stadtmitte	99.9	106.4		Leipzig	RIII	59.25	65.75
Berlin-Grünau	RI	41.75	48.25	Dresden	RI	145.25	151.75

Daily Programmes: W. exc. Mo., Wedn.: 19.00–21.00. Wed.: 11.30–12.00, 19.00–21.00. Sun. 15.00–16.00, 19.00–21.00.

GREAT BRITAIN

BRITISH BROADCASTING CORPORATION

Address: The British Broadcasting Corporation, London. – **Leading Personality:** Sir George Barnes.

Stations:	ch.	kW	Stations:	ch.	kW
Rowridge (Isle of Wight)	B3	5/1.25	London	B1	17/3
Glencairn	B1	1/0.25	Pontop Pike	B5	1/0.25
Hohme Moss	B2	50/12	Sutton Coldfield	B4	50/12
Kirk o'Shotts	B3	50/12	Wenvoe Cardiff	B5	50/12
			Douglas	B5	1/0.25

Projected Stations: Vision 5 kW, Sound 1.25 kW: Divis (Belfast) Ch. B1 (replacing Glencairn), North Hessary Tor (S. Devon) Ch. B2, Meldrum (N.E. Scotland) Ch. B4, Pontop Pike Ch. B5 (replacing existing low power station).
Daily Programmes: All stations are interconnected by cables or relay links and usually transmit the same programme, though any region can break off and transmit a programme of its own.: Mo.–Sat. 10.00–12.00 film projecting for the receiver trade. 15.00–16.00 (or 16.15): Women's progr.: 17.00–18.00: Childrens Television. 19.25: Weather chart; 19.30: N. and Newsreel (exc. Sat. when "In Town Tonight" is followed by N. and Newsreel 20.00). The evening programme ends between 22.30 and 23.00.
PRIVATE STATIONS° At the end of 1955 private commercial television will start transmission. Six transmitters are under construction. The output power will be 10 kW (vision) and 2.5 kW (soqnd). They will operate in the frequency band 11

HOLLAND

NEDERLANDSE TELEVISIE STICHTING (Foundation)

Address: Nederlandse Televisie Stichting (N.T.S.), Brinklaan 124, Bussum, Postbox 80.
Leading Personalities: Executive Board Netherland Television Foundation: Chairman: Prof. Kors. – Secretary: Mr. Rengelink. – Treasurer: Jhr. Röell. – Vice-Chairman: Mr. Van der Veen. – Member: Mr. Lichthart. – Dir. Tec.: Ir. C. J. Mol. – Dir. Progr.: Mr. A. van den Dool.
Stations: Lopik (Near Utrecht): Ch. E4. Vision 62.25 mc/s 20 kW. – Sound 67.75 mc/s 5 kW.
Eindhoven: Ch. E4/5. Vision 175.25 mc/s 5 kW. – Sound 180.75 5 kW.
Daily Progr.: Tues. and Fri.: 17.15–21.00: Documentaries, entertaining programmes and plays. – Daily transmissions are planned in 1955, which will make it possible to transmit a children's programme during the afternoon.
Projected Stations: Roermond (autumn 1955) Ch E5 50/10 kW. – Smilde (1956) Ch E6 50/10 kW. – Mankelo (1956) Ch E7 30/6 kW.

HUNGARY (Govt.)

Experimental. Vision 0.1 kW. Sound 0.05 kW eff. radiated power.

ITALY

(State Service granted by public act to RAI)

Address: Direzione Centrale T.V., via del Babuino 9, Roma. – **Leading Personalities:** Dir TV.: Dr. Sergio Pugliese. Deputy Dir. TV.: Dr. Aldo Passante. Dir. Tec. TV.: Ing. Sergio Bertolotti.

Stations:	ch	Vision kW	Sound kW	Stations:	ch	Vision kW	Sound kW
Milano	8A	30	15	Monte Peglia	10	20	10
Torino-Eremo	4A	15	7.5	Roma-Monte Mario	8A	100	35
Monte Penice	4	100	50	Monte Venda	5	80	40
Portofino	10	100	50	Firenze	8A	2.5	1
Monte Serna	5	200	70	Trieste	8A		

Daily Programmes: Sun. 11.00–12.00, 16.30–19.00, 20.45–23.00. W.: 12.30–18.30, 20.45–23.15 (or 22.45 and 23.00).

LUXEMBOURG

RADIO LUXEMBOURG (Pr. Comm.)

Address: Compagnie Luxembourgeoise de Radiodiffusion, Villa Louvigny, Luxembourg.
Leading Personalities: Pres.: E. Reuter. Gen. Man.: René-Louis Peulvey. Asst. Gen. Man.: M. Felten. Progr. Man.: A. Dubois la Chartre. Man. Musical Dept.: H. Pensis.
Station (planned). Definition: 819 lines: R. Luxembourg: Vision 189.26 mc/s 3 kW. Sound 194.75 mc/s 0.75 kW. – Approximate date for opening 1.1.1955.

MONACO

A television station has started transmissions at the end of November. (Pr. Comm.).

NORWAY

NORSK RIKSKRINGKASTING (Govt.)

Station: Experimental Ch. E4. Vision 0.13 kW. – Testpicture is transmitted Mo., Wed., Fri. 12.00–13.00.

PORTUGAL

EMISSORA NACIONAL (Govt.)

EMISSORA NACIONAL is engaged in preparatory investigations regarding television. A centre has been established for the study of television, the purpose of which is to centralise all information about TV, and at the same time obtain data regarding the choice of the most suitable sites, study the future installation of relays etc. These indispensible preparatory studies are for the purpose of assembling all elements until the installation of TV is officially decided upon.

RADIO CLUBE PORTUGUESE A television station in Lisboa is projected.

SAAR

SAARLÄNDISCHE FERNSEH A.-G.

Address: Uhlandstrasse 5, Saarbrücken. – **Leading Personalities:** Dir. Gen.: Frédéric Billman. Director of Production: Tonnis Dirk. – **Station:** Definition 819 lines. – Telesaar Ch. F7 0.1 kW (vision), – 0.03 kW (sound). – **Experimental transmissions:** W. 14.00–15.00. Tues. & Fri. also 19.00–20.00.

SPAIN

R. NACIONAL DE ESPANA (Govt.)

Address: Radio Nacional de Espana. Television Experimental, Castellana num. 42, Madrid. – **Leading Personalities:** Dir. Progr. and Transmissions: Sr. José Ramón Alonso. Dir. Tec.: Sr. Joaquin S. Cordovés. Chief of Progr.: Sr. José Luis Colina. – **Stations:** T.V.R.N.E. Ch E3 video 0.3 kW. – Sound 0.1 kW. – **Daily Progr.:** Tues., Thurs., Sat. 20.00–22.00. Variety. Reportage. For children (Thurs.). Film (Sat.).

SWEDEN

RADIOTJÄNST (Govt.-Private):

Address and Leading Personalities: See Sweden.
Stations: Experimental transmissions from the University of Technic in Stockholm: Fri. 17.00–18.00. Wed. 13.00–15.00. Sun. occasionally reportage.
Ch. E4 vision 1 kW. – Sound 0.3 kW.
Ch. E5 vision 25 kW. – Sound 12 kW.
Future Plans: Summer 1956 regular programmes. The first stations in Stockholm, Göteborg, Uppsala and Malmö.

SWITZERLAND

SWISS TELEVISION SERVICE (Govt.)

Address: Kreuzstrasse 2, Zürich. – **Leading Personality:** Head of TV programmes: Edouard Haas. – **Stations:** Uetliberg (Zürich) 55.25 mc/s 5 kW (vision). 60.75 mc/s 1 kW (sound). – Chrischona (Basel) 210.25 mc/s 0.5 kW (vision). – 215.75 mc/s 0.1 kW (sound). – **Daily Programmes:** D. 19.30–20.45 exc. Wed. Live and Film. – **Projected Stations:** Bantiger (Berne), 48.25 mc/s 50-100 kW E.R.P. (vision). 53.75 mc/s 10-20 kW ERP (sound). – Le Dôle 62.25 mc/s 100 kW E.R.P. (vision). 67.75 mc/s 20 kW E.R.P. (sound).
Will be on the air at the end of 1954.
Relay Facilities: A microwave link across the Alps. It runs from Chasseral in Northern Switzerland about 5370 ft high in the Jura range, through a relay station 60 miles away and 12200 ft up over Jungfraujoch and on to the summit of Monte Generoso in Southern Switzerland. This link will connect the German and Italian television systems, and form part of the Swiss national network. Another national relay is planned between Uetliberg, Chasseral, Bantiger and La Dôle.

USSR (Govt.)

The Central TV. Studio is subordinated to the Central Administration of Radioinformation to the Ministry of Culture of the USSR.
Stations: Moscow Ch. RII 20 kW. – Leningrad Ch RIII 20 kW. – Kiev Ch RIV 5/2.5 kW. – Odessa Ch. RII 0.5/0.3 kW. – Baku. –

AFRICA

MOROCCO

COMPAGNIE MAROCAINE DE RADIO-TELEVISION "TELMA" (Pr. Comm.)

Address: TELMA, K.7.5 route de Marrakech Casablanca, Boite Postale 7029 AIN CHOCK. – **Cable:** Telmavision. – **Leading Personalities:** Dir. Gen.: M. Andre Fortin. Dir. Tec.: Francois d'Ornellas. Dir. Progr.: Jean Luc. – **Stations:** Casablanca Ch F13. Rabat F9. Vision 28 kW. Sound 7 kW.
Daily Programmes: from 13.00–14.00, 21.00–23.00. Programmes consist of film and reportage. – **Future Plans:** Fez and Meknes in 1955.

NEAR EAST

TURKEY

TECHNICAL UNIVERSITY OF ISTANBUL (Govt.)

Address: Teknik Üniversite Elektrik Fakültesi, Yüsek Frekans Teknigi Laboratuvari, Istanbul. – **Leading Personalities:** Head of the Laboratory: Prof. M. Santur. Ass. Prof.: A. Ataman. Ass.stant: Z. Akçasu. – **Station:** Ch E4 0.1, sound: 1 kW. – **Daily Programmes:** Thurs. 15.00–16.00. Talks, music, films.

IRAQ: Experimental TV.

EAST AND PACIFIC

AUSTRALIA

AUSTRALIAN BROADCASTING COMMISSION

It is expected that the Australian Parliament will pass legislation shortly under which a television service or services will be established.

HAWAII (Honolulu)

KBMG-TV. Ch A9 vision 34.8 sound 17.4 kW Hawaiian Broadc. Co. (Comm.). – KONA Ch A11 vision 35 sound 19.4 kW R. Honolulu Ltd. (Comm).

JAPAN

NIPPON HOSO KYOKAI (Public Corporation, non-comm.)

Address: TV Department, 2, 2-chome, Uchisaiwai-cho, Chiyoda-ku, Tokyo. **Cable:** RadioNHK.

Leading Personalities: President: Tetsuro Furukaki. Chief of Television (Pgrm.): Yoshio Yoshikawa. Chief of TV Operation: Kiyoshi Yamaguchi. Chief of Techn. Dept.: Kei Mizokami.

STATIONS:		mc/s	kW	mc/s	kW
Tokyo	JOAK-TV	103.25	10 (vision)	107.75	5 (sound)
Osaka	JOBK-TV	171.25	10 (vision)	175.15	5 (sound)
Nagoya	JOCK-TV	103.25	10 (vision)	107.15	5 (sound)

DAILY PROGRAMMES: 02.55–04.40, 09.30–12.10.

PROJECTED STATIONS: Under a five-year plan: 5 5kW stations and 5 3kW stations to be established during 1955. 6 3kW stations and 4 1kW stations during 1956. 4 3kW stations and 5 1kW st. during 1957.

PRIVATE COMMERCIAL STATIONS:

NIPPON TV NETWORK CORP. (Nippon Television Hosomo Kabusiki Kaisha) (Comm.)

Address: 14 Nibancho, Chiyodaku, Tokyo.

Leading Personalities: President: Matsutaro Shoriki. Managing Director: Yoshichiro Shimizu. Production Director: Teihichi Kusumi.

Stations: JOAX-TV 171.25 mc/s 10 kW (vision), 175.75 mc/s 5 kW (sound).

Daily Programmes: D.: 03.00–04.40, 09.30–12.20. Sun., Sat. also 05.00–08.30.

RADIO TOKYO CORPORATION TELEVISION STATION

(Kabushiki Kaisha Radio Tokyo Television Kyoku) Will open in March 1955.

Chubu Nippon Hoso Kabushiki Kaisha 10/5 kW – Kyoto Hoso Kabushiki Kaisha 10/5 kW – Kobe Hoso Kabushiki Kaisha 10/5 kW – Kabashiki Kaisha Radio Kyushu Kokura Kyoku 2/1 kW – Hokkaide Hoso Kabushiki Kaisha 10/5 kW – Tohuku Hoso Kabushiki Kaisha 5/2.5 kW – Shinetsu Hoso Kabushiki Kaisha Nagano Kyoku Matsumoto Kyoku 5/2.5 kW – Kabushiki Kaisha Radio Niigata 10/5 kW – Sanyo Hoso Kabushiki Kaisha 5/2.5 kW – Hokurokir Hoso Kabushiki Kaisha 5/2.5 kW – Shizuoka Hoso Kabushiki Kaisha 1/0.5 kW – Kabushiki Kaisha Radio Chugoku 5/2.5 kW – Kabushiki Kaisha Nippon Hoso 10/5 kW.

PHILIPPINES (Pr. Comm.)

DZAQ-TV ChA3 vision 13.5 sound 3.6 kW Alto Broadcasting System, Manila (Comm.). – Republic Broadc. DZBB–TV.

THAILAND: Experimental transmissions 13.00–15.45.

AMERICA NORTH

CANADA

CANADIAN BROADCASTING CORPORATION

(Publicly owned)

ADDRESSES: Quebec Region: CBFT, CBMT: 1425 Dorchester Str., Montreal. – Maritime Region: CBHT, Bell Road, Halifax, Nova Scotia. – Prairie Region: CBWT, Corner Portage Avenue and Young Str., Winnipeg. – British Columbia Region: CBUT, 701 Hornby Str., Vancouver. – Ontario Region: CBLT, 354 Gawis Str., Toronto. CBOT: Chateau Laurier, Ottawa.

LEADING PERSONALITIES: Quebec Region CBFT: Director: A. Quimet. Progr. Dir.: F. Guerard. Techn. Dir.: C. Frenette. CBUT: Director A. Quimet. Progr. Dir.: F. Coleman. Techn. Dir.: C. Frenette. – Maritime Region CBHT: Director of TVG: F. Brickenden. Techn. Dir.: J. Simonsen. – Prairie Region CBWT: Dir. of TV: W. Carpentier. Techn. Dir.: H. C. Heywood. Progr. Dir.: G. Atkinson. – B. C. Region CBUT: Director: P. Mc. Donald. Progr. Dir.: M. L. Munroe. Techn. Dir.: R. Whiteside. – Ontario Region CBLT: Director: Fergus Mutrie. Progr. Dir.: S. W. Griffiths. Techn. Dir.: R. Horton. CBOT: Manager: C. P. Wright. Chief Producer: Bruce Mac Pherson. Chief Operator: M. Gilbert.

Stations: Definition 525. v=vision. s=sound.

		ChA	v. kW*	s. kW*			ChA	v. kW*	s. kW*
Montreal	CBFT	2	15.7	8.28	Vancouver	CBUT	2	55.2	102
Montreal	CBMT	6	43.8	26.2	Toronto	CBLT	9	26.65	12.72
Halifax	CBHT	3	56.2	33.8	Ottawa	CBOT	4	50.1	26.7
Winnipeg	CBWT	4	56.2	33.7					

* Effective radiated power.

Projected CBC Station: Ottawa Ch. 9. – **TV Facilities:** A microwave link is in operation between Quebec, Montreal, Ottawa, Toronto and Buffalo, N.Y. for transmission to and from USA. The microwave link also extends to other Ontario cities and will be extended to Winnipeg, Manitoba in the near future.

PRIVATE STATIONS Comm.

	ChA	vision kW	sound kW	
CJCB-TV	4	100	60	R. Building, 318 Char].St., Sydney N.S.
CHSJ-TV	4	27.8	13.9	14 Church Str. Saint John, N.B.
CJBR-TV	3	32.5	19.5	6 Ste. Jean Street, Rimouski, P.Q.
CFCM-TV	4	1.27	0.635	145 Rue St. Jean Bosco, Ste. Foy, Quebec, P.Q.
CHLT-TV	7	17.3	8.8	3 Marquette Str., Sherbroke, P.Q.
CKWS-TV	11	101	60.6	Whig-Standard Bldg., Kingston, Ont.
CHEX-TV	12	102	61.2	P.O. Box 1036, Peterborough, Ont.
CHCH-TV	11	16.9	10.05	163 Jackson St., West, Hamilton, Ont.
CKCO-TV	13	16.0	8.45	34 Young Street, Kitchener, Ont.
CFPL-TV	10	117	59.6	P.O. Box 488, London, Ont.
CKLW-TV	9	325	180	Canada Trust Bldg., Windsor, Ont. (D. 19.00–04.30).
CKSO-TV	5	1.74	0.87	Regent and Ash Sts., Sudbury, Ont.
CFPA-TV	2	5.10	2.55	Public Utilities Bldg., Port Arthur, Ont.
CKCK-TV	2	18.8	9.4	Leader Post Bldg., Regina, Sask.
CFQC-TV	8	100	60	216 First Ave. N., Saskatoon, Sask.
CHCT-TV	2	100	50	R. Station CFCN, 12th Ave. and 6th St. E., Calgary, Alb.
CFRN-TV	3	23.9	14.3	109 CPR Building, Jasper Av., Edmonton, Alb.
CJIC-TV	2	5.16	2.58	P.O. Box 370, Sault Ste. Marie, Ont.
CKX-TV	5	19.3	9.65	City Hall Square, Brandon, Manitoba.
CKCW-TV	2	5	3	Knights of Pythias, Hall, Moncton, N.B.

UNITED STATES

32 educational stations are operated by schools and colleges and approx 600 stations are privately owned commercial stations. The NBC-TV network consists of 175 stations, CBC-TV network of 184 stations and the ABC network of 212 stations.

Colour television is approved for use in USA. The system uses the same scanning rates as black-and-white and is compatible (it can be received in black and white on these sets and in colour on colour sets automatically). There are only about 10000 colour receivers in use.

THE ARMED FORCES TELEVISION SERVICE

AFRS operates an experimental TV station at Limestone, Maine, USA. Plans for the use of television by the Armed Forces Overseas are under study. The first exp. television station was opened in Portugal in October.

AMERICA CENTRAL

CUBA All stations comm.

HABANA

Calll.	Ch.	v. kW	s.	Name and address
CMA-TV	A2	110/60		Tele-Mundo S.A. Edificio Ambar Motors, P. and 23
CMUR-TV	A4	5/2.5		Television Nacional S.A., Mazon 52
CMQ-TV	A6	18.8/9.4		Circuito CMQ, S.A., Radiocentro, Vedado, 14.00–05.00
CMBF-TV	A7	5/2.5		Cia. Radio Universal, S.A., Radiocentro, 15.00–03.00
CM-TV	A11	32/15		Televisora CMTV-S.A., Edificio Ambar Motor, P. and 23
MATANZAS PROVINCE				
CMGQ-TV	A9	5/2.5		Circuito CMQ, S.A., Matanzas
	A13	5/2.5		Radio Television El Mundo, S.A.
	A13	5/2.5		R. Siboney, Matanzas
SANTA CLARA				
CMGQ-TV	A3	5/2.5		Television Nacional, S.A., Habana
CMHQ-TV	A5	16.9/8.4		Circuito CMQ, S.A., Santa Clara
	A8	5/2.5		Union Radio Television, S.A., Santa Clara*)
	A10	5/2.5		Radio Siboney, Santa Clara*)
CAMAGÜEY PROVINCE				
	A2	5/2.5		Radio Television El Mundo, S.A., Florida*)
CMJL-TV	A6	18/9		Circuito CMQ, S.A., Radiocentro, Habano
	A9	5/2.5		Radio Siboney, Florida*)
ORIENTE PROVINCE				
CMKJ-TV	A2	15.6/7.8		Circuito CMQ, S.A., Santiago de Cuba
	A4	5/2.5		Circuito CMQ, S.A., Holguin
	A5	5/2.5		Radio Television El Mundo, S.A., Santiago de Cuba*)
	A7	5/2.5		Union Radio Television, S.A., Santiago de Cuba*)
	A8	5/2.5		Union Radio Television, S.A., Holguin*)
	A9	5/2.5		Radio Siboney, Santiago de Cuba*)
	A10	5/2.5		Radio Siboney, Holguin*)
	A11	5/2.5		Cadena Oriental de Radio, Santiago de Cuba*)
	A12	5/2.5		Radio Television El Mundo, S.A., Holguin*)

*) Under construction.

PROJECTED STATIONS: Circuito CMQ S.A. in Ciego de Avila Ch. A3. R. Siboney CMJM-TV 5/2.5 kW Ch. A10. – Circuito CMQ S.A. in Colon Ch. A2, in Pinar del Rio, in Santa Cruz del Norte Ch. A6 and in Victoria de Las Tunas Ch. A2.

RADIO TELEVISION EL MUNDO (Comm.)
Address: 25y O Edificio Ambar Motor, Habana. – **Cable:** Telemundo. **Leading Personalities:** Gen. Man.: Sr. Hector Stocker. Sales Manager: Sr. Fernando Lopez Llobet. Dir. Tec.: Sr. Ventura Montes. – Dir. Progr.: Sr. Rodolp Perez Penalver. Dir. News: Sr. Carlos M. Lechuga. **Daily Progr.:** Ch. A2 from 17.15–04.15. Ch. A11 from 23.00–04.30.

DOMINICAN REP.

CIRCUITO RADIO – TELEVISOR "LA VOZ DOMINICANA (Comm.)
Address: Calle Quinta No. 8, Ciudad Trujillo. – **Leading Personality:** Dir.: Sr. J. Aresmendi Trujillo M. – **Station:** HIT-TV Ch. 4 16 kW (vision), 8 kW (sound).

MEXICO

All : Commercial stations.

XHTV	Ch A4	5/2.5 kW	Television de Mexico, S.A., Plaza de la Reforma No. 2, Edificio de la Loteria Nacional, Mexico D.F.
XEQ-TV	Ch A9	10/2.5 –	R. Panamericana, S.A., Av. Chapultepec no. 22, 24 y 26, Mexico D. F.
XEW-TV	Ch A2	50/50 –	Cadena Radiodifusora Mexicana, Av. Chapultepec no. 22, 24 y 26, Mexico D. F.
XHGC-TV	Ch A5	3.5/2.5 –	Television Gonzalez Camerena, S.A., José Maria Marroqui no. 11, Mexico D.F.
XELD-TV	Ch A7	3/1.4 –	Television de Matamoros, S.A., c/o Romulo O'Farrill. Alfonso Herrera No. 67, Mexico D. F.
XETV	Ch A6	38/17 –	Radio Television, S.A., Bravo y Lerma, Colonia Marrón.

CADENA RADIODIFUSORA MEXICANA, S.A.
Address: Televicentro, Ave. Chapultepec26, Mexico, D.F. – **Leading Personality:** Pres.: Emilio Azcarraga. – **Daily Programmes:** W. 18.00–20.45, 21.30–07.00. Sun. 17.30–07.00.

PUERTO RICO (Pr. Comm.)

WKAQ-TV Ch A2 vision 50. Sound 15 kW. El Mundo Broadc. Corp. San Juan.
WAPA-TV Ch. A4 vision 56.2. Sound 33.9 kW. José Quinones, San Juan.

AMERICA SOUTH

ARGENTINA

Radio del Estado Ch. A2 vision 45 sound 2.5 kW. (Govt.)
LR1-TV Ch. A5 vision 45 sound 2.5 kW. Radio El Mundo. Buenos Aires (Govt.).
LR3-TV Ch. A7 vision 45 sound 2.5 kW R. Belgrano Buenos Aires (Govt.) 19.30–02.00.
Projected stations: In Cordoba, Mendoza, Rosario.

BRAZIL

RADIO ROQUETE PINTO (Educational)
Address: Av. Almirante Barroso 81 12 andar Rio de Janeiro. – **Station:** Ch. A2 vision 25 kW. – **Daily Progr.:** Morning 2 hours, afternoon 2 hours, evening 3 hours. Lessons, children, housewives, theatre, music, actuality etc.

EMISSORAS ASSOCIADAS (Comm.), Add: Sumaré, Sao Paulo. – **Leading Personality:** Owner A. Chateau-briand. – **Stations:** Belo Horizonte: Ch. A4 vision 5 sound 2.5 kW (eff. r. p.). – Rio de Janeiro PRG3-TV Ch. A6 vision 21.2 sound 12.7 kW. – Sao Paulo PRF3-TV Ch. A3 vision 20 sound 9.4 kW. – **Projected station** in Porte Alegre Ch. A4.

RADIO TELEVISAO PAULISTA (Comm.)
Address: Av. Reboubas 58–62, Sao Paulo. – **Leading Personality:** Owner: Luis Fonseca de Souza. – **Station:** Ch. A5 vision 18.5 sound 9.5 kW.

RADIO TELEVISAO RECORD (Comm.)
Address: Emissoras Unidas, Palacio, Camino del Aeropuerto, Sao Paulo. – **Leading Personality:** Owner J. B. Amaral. – **Station:** PRB9-TV Ch. A7 vision 32 sound 16 kW.

RADIO BANDEIRANTES (Comm.)
Address: Rua Paula Souza, 181–4° andar, Sao Paulo. – **Station:** PRH9-TV Ch. A13 vision 10 sound 3 kW.

COLOMBIA

RADIFUSORA NACIONAL:
Address: Estado Radiodifusora Nacional, Transversal 17 No. 25–65, Bogota. – **Station:** HJ-RNTV Ch. 6 vision 1 kW. Sound 0.25 kW. – **Daily Progr.:** D.: 01.00–04.00. – **Future Plans:** Stations projected in Barranquilla, Bucaramanga, Cali, Medellín, Tunja. Plans are underway to develop a national television network to cover the entire country.

URUGUAY

SERVICIO OFICIAL DE DIFUSION RADIO ELECTRICA (Govt.)
Address: Mercedes 973, Montevideo. – **Station:** Ch A6 vision 5 sound 2.5 kW. Under construction.

VENEZUELA

TELIVISORA NACIONAL (Govt.)
Address: The Ministry of Communications of the National Govt. – **Stations:** YVKA-TV Ch. A5 vision 32 sound 18.6 kW.

TELEVISION VENEZOLANA S. A. (Comm.)
Address: Caracas. – **Leading Personality:** Pres.: Gonzalo V. Mancera. – **Station:** YVLV-TV Ch. A4 vision 16 sound 9.4 kW.

RADIO CARACAS (Comm.)
Address: Edificio Radio Centro Barcenar a Rio: Caracas. – **Leading Personalities:** Sr. Amable Espina, Adm.: Guillermo Tucker. Dir. Tec.: Jose Marcano Coello. – **Station:** YVKS-TV Ch. A2 vision 10/64 sound 5/32 kW.

RADIO POPULAR TELEVISIONE S.A. (Comm.)
Address: Maracaibo. – **Station:** vision 5 sound 2.5 kW. Under construction.
PROJECTED STATIONS: R. Continente, Caracas. – Ondas del Lago TV. S.A., Maracaibo.

THE RADIO CONSTRUCTOR
is the monthly magazine for the practical radio enthusiast. With an emphasis on construction, all types of radio, receivers, televisors, amplifiers, recording, equipment, test gear, radio control of models, workshop practice etc., are covered in this journal. The home constructor of all types of electronic gear will find this periodical invaluable. 1 s. 6 d. monthly. Annual subscription 18/- sterling. USA $ 2.75.
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LONG- AND MEDIUM WAVE STATIONS

EUROPE — NORTH AFRICA — NEAR EAST

For medium waves of the other countries see the individual countries.

kc/s	Metres	kW	Stations
151	1986	35	**NWDR** - Germany
155	1935	10	**Tromsö** - Norway
155	1935	150	**Romania** - Rumania
155	1935	100	**Moscow** - USSR
164	1829	250	**Allouis** - France
173	1734	1000	**VOA** - Germany
173	1734	500	**Moscow I** - USSR
182	1648	100	**Reykjavik** - Iceland
182	1648	10	**Alma Ata** - USSR
182	1648	10	**Luleå** - Sweden
182	1648	120	**Ankara** - Turkey
185	1622	100	**Deutschlandssender** Germany
191	1571	35	**Tbilisi** - USSR
191	1570	150	**Motala** - Sweden
200	1500	100	**Moscow II** - USSR
200	1500	400	**Droitwich** - Gt. Brit.
200	1500	20	**Irkutsk** - USSR
200	1500	50	**Khabarovsk** - USSR
209	1435	150	**Kiev** - USSR
218	1376	10	**Baku** - USSR
218	1376	50	**Kranoyarsk** - USSR
218	1376	200	**Oslo** - Norway
227	1322	200	**Warsaw I** - Poland
233	1287	150	**Luxembourg I**
236	1271	100	**Leningrad** - USSR
245	1224	150	**Kalundborg I** - Denmark
245	1224	10	**Vladivostok**- USSR
254	1181	200	**Lathi** - Finland
254	1181	25	**Tashkent** - USSR
263	1141	100	**Leningrad I** - USSR
263	1141	10	**Yakutsk** - USSR
272	1103	200	**Praha 2** - Chechosl.
272	1103	100	**Novosibirsk** - USSR
281	1608	10	**Ulan Ude** - USSR
281	1068	100	**Minsk** - USSR
340	8947	50	**Khabarovsk** - USSR
364	824	50	**Erivan** - USSR
370	811	40	**Sverdlovsk** - USSR
385	779	100	**Kharkov** - USSR
400	750		**Tashkent** - USSR
400	750	50	**Minsk** - USSR
420	714	10	**Östersund** - Sweden
520	577	2	**Braunschweig (NWDR)** - Germ.
433	693	10	**Oulu** - Finland
517	580.2	0.05	**Hermagor** - Austria
520	577	1	**Hamar** - Norway
520	577	1	**Joensuu** - Finland
520	577	0.4	**Bayreuth** - Germ.
520	577	5	**Nürnberg** - Germ.
520	576.9	1.5	**Wien** - Schönbrunn, Austria
520	576.9		**4 low power st.** - Austria
529	567.1	150	**Beromünster** - Switzerland
539	556.5	135	**R. Kossuth** - Hung.
548	547.4	100	**Munich AFN** - Germany
548	547.4		**Simferopol** - USSR
548	547.5	100	**Moscow II** - USSR
557	539	100	**Helsinki I** - Finland
557	538.6	20	**Cairo I** - Egypt
557	538.6	50	**M. Ceneri** - Switzerland
557	538.6		**Potsdam** - Germany
566	530	100	**Athlone** - Ireland
566	530	1	**Klagenfurt FBS** - Austria
566	530	1	**Graz FBS** - Austria
566	530	35	**Wien-Bisamberg** - Austria
566	530	10	**Caltanissetta I** - Italy
566	530		**Kazan** - USSR
566	530	20	**Freies Berlin** - Germany
575	522	100	**Stuttgart (S.D.R.)** - Germany
575	522	100	**Riga** - USSR
575	521.7	300	**Burg (Dem. R.)** Germany
575	521.7	50	**Tel Aviv** - Israel
584	514	1	**Paris Grenelle** - France
584	513.7	100	**Linz II** - Austria
584	513.7	25	**Graz II** - Austria
585	513.7	150	**R. Nacional** - Spain
593	505.9	150	**Sundsvall** - Sweden
593	505.8	100	**Frankfurt (H. R.)** - Germany
593	506	20	**Sofia II** - Bulgaria
593	505.9		**Ordzonikidze** - USSR
597	502.5	0.05	**Obervellach** - Austria
602	500.2	2	**Damascus** - Syria
602	498	100	**Lyon I** - France
610	491.8	0.05	**Greifenburg** - Austria
611	491	10	**Nürnberg AFN** - Germany
611	491	120	**Sebaa-Aioun** - Fr. Morocco
611	491	5	**Eidar TFE** - Iceland
611	491	20	**Berlin II** - Germ.
611	491	100	**Petrozavodsk** - USSR
611	491	2.5	**Frunze** - USSR
611	491	20	**Sarajevo** - Yugosl.
616	487		**2 low power st.** - Austria
620	483.9	100	**Cairo III** - Egypt
620	483.9		**Moscow II** - USSR
620	483.9	10	**Gorki** - USSR
620	483.9	150	**Bruxelles I** - Belg.
622	482	0.1	**Radenthein** - Austria
629	477	100	**Vigra** - Norway
629	477	0.05	**Kitzbühel** - Austria
629	476.9	10	**Innsbruck** - Austria
629	476.9	25	**Dornbirn** - Austria
629	476.9	20	**Tunis I** - Tunesia
633	475	1	**Godthåb OXI** - Greenland
635	472	7.5	**Sharq al Adna** - Cyprus
638	471	5	**Sevilla** - Spain
638	470.2	120	**Praha I** - Czechosl.
647	463.5	100	**Kharkov** - USSR
647	463.6	10	**Simferopol** - USSR
647	464	150	**Daventry** - Gt. Brit.
647	464	2	**Edinburgh** - Gt. Brit.
647	464	2	**Glasgow** - Gt. Brit.
647	464	2	**Newcastle** - Gt. Brit.
647	464	2	**Redmoss** - Gt. Brit.
647	464		**Kharkov** - USSR
652.1	460	1	**Tel-Aviv** - Israel
656	457.3	20	**Bolzano I** - Italy
656	457.3	80	**Firenze I** - Italy
656	457.3	80	**Napoli I** - Italy
656	457.3	35	**Torino I** - Italy
656	457.3	10	**Venezia I** - Italy
656	457.3	150	**Murmansk** - USSR
656	457.3		**Grozny** - USSR
660	454.5	20	**R. Kabul** - Afghan.
665	451.2	15	**Athens II** - Greece
665	451.2	1	**Hoefn** - Iceland
665	451.2	50	**Damascus** - Syria
665	451	2	**Grafenwohr AFN** - Germany
665	451	10	**Kaiserlautern AFN** Germany
665	451	50	**Lisboa I** - Portugal
665	451	100	**Vilnus** - USSR
674	445.1	100	**Salzburg BDN** - Austria
674	445.1	10	**Bodö** - Norway
674	445	100	**Rennes I** - France
677	443	20	**Jerusalem** - Jordan
683	439.2	1.25	**R. Africa** - Tangier
683	439	150	**Beograd I** - Yugosl.
683	439	100	**Berlin (RIAS)** - Germany
688	436	0.03	**Hildburghausen (Dem. R.)** - Germ.
691	433.5		**Moscow II** - USSR
692	434	2	**Cromer** - Gt. Britain
692	434	10	**Nicosia** - Cyprus
692	434	150	**Moorside Edge** - Gt. Britain
692	434	2	**Whitehaven** - Gt. Britain
692	434		**3 lowpover st.** - Austria
697	430.4	0.1	**Spittal-Drau** - Austria
701	428	20	**La Coruna** - Spain
701	427.8	2	**Aachen** - Germany
701	427.8	2	**Herford** - Germany
701	427.8		**Osterloog** - Germ.
701	428	150	**Istanbul** - Turkey
701	428	120	**Sebaa-Aioun** - Fr. Morocco
701	428	20	**Finmark** - Norway
701	428	2	**Bratislava II** - Czechoslovakia
701	428	100	**Banska Bystrica** - Czechoslovakia
701	428	2	**Kosice** - Czechosl.
710	422	100	**Marseille I** - France
710	422	150	**Stalino** - USSR
710	422	0.05	**Feldkirchen** - Austria
710	422.5	20	**Tartu** - USSR
719	417.2	135	**R. Fr. Eur.** - Germ.
719	417	15	**Lisboa II** - Portugal
719	417.2	20	**R. Universidade** - Portugal
719	417.2	20	**Aleppo** - Syria
725	413.8	3	**Djeddah** - S. Arabia
728	412	25	**Klagenfurt I** - Austria
728	412	150	**Athens I** - Greece
728	412	500	**Schwerin (Dem. R.)** Germany
737	407.1	40	**Hof-RIAS** - Germ.
737	407	2.5	**Jerusalem** - Israel
737	407.1	5	**Akureyri** - Iceland
737	407.1		**Warsaw** - Poland
737	407.1	30	**Barcelona** - Spain
737	407.1	10	**Chelyabinsk** - USSR
739	406.1	0.1	**Kötschach** - Austria
746	402	120	**Hilversum I** - Holl.
748	402.1		**Stavropol** - USSR
755	397.4	100	**Wien RWR** - Austria
755	497	20	**Kuopio** - Finland
755	397.3	50	**Timisoara II** - Rumania
755	397	10	**Porto I** - Portugal
755	397.3	2	**Siegen** - Germany
764	392.6	150	**Sottens** - Switzerl.
764	392.6	20	**Rostov** - USSR
767	391.1	20	**Baghdad** - Iraq
773	388.1	5	**R. Sevilla** - Spain
773	388.1	55	**Stockholm** - Sweden
773	388.1	2	**Malmberget**-Sweden
773	388	2	**Vatican Radio**
773	388	50	**Cairo II** - Egypt
773	388	1	**Salzburg-Lehen** - Austria

kc/s	Metres	kW	Stations
782	383.6	500	**Deutschlandsender** - Germany
782	383.6	100	**Kiev II** - USSR
782	383.6	15	**R. Madrid** - Spain
791	379	100	**Limoges I** - France
791	379.2	50	**Salonika (VOA)** - Greece
800	375	100	**München** - Germany
800	375	100	**Leningrad II** - USSR
809	371	100	**Burghead** - Gt. Brit.
809	371	2	**Dumfries** - Gt. Brit.
809	371	5	**Redmoss** - Gt. Brit.
809	371	100	**Westerglen** - Gt. Brit.
809	370.8	20	**Skoplje** - Yugoslav.
809	370.8	10	**R. Barcelona** - Spain
809	370.8		**Moscow II** - USSR
809	370.8	10	**Kuibyshev** - USSR
818	366.7	10	**Trieste I** - Trieste
818	366.7	50	**Warsaw II** - Poland
827	362.8	100	**Kaunas** - USSR
827	363	100	**Sofia I** - Bulgaria
827	363	1.5	**Baden-Baden (SWF)** Germany
827	363	40	**Freiburg (SWF)** -
827	363	1.5	**Kaiserlautern (SWF)** - Germany
827	363	1	**Koblenz (SWF)** - Germany
827	363	1	**Sigmaringen (SWF)** - Germany
827	363	1	**Trier (SWF)** - Germ.
836	359	10	**Ylivieska** - Finland
836	359	100	**Nancy I** - France
836	358	6	**R. SEU** - Spain
836	358	0.5	**R. Union** - Spain
836	359	4	**Beyrouth** - Lebanon
845	355	0.2	**Helsinki III** - Finl.
845	355	150	**Roma II** - Italy
850	352.9		**2 low power stations, Huelva** - Spain
854	351.3	150	**Bucuresti I** - Rum.
854	351	3.5	**Madrid** - Spain
854	351	50	**R. Fr. Eur.** - Germ.
858	349.6	20	**Erfurt** - Germany
863	348	100	**Paris I** - France
863	347.6	0.2	**Zeltweg FBS** - Austria
868	345	1	**Wien FBS** - Astria
872	344.0	150	**Frankfurt AFN** - Germany
872	344.0	135	**R. Petöfi** - Hungary
872	344.0	30	**Zaragoza** - Spain
872	344	1	**Rabat** - Fr. Morocco
872	344.0	150	**Moscow III** - USSR
881	340.6	20	**Titograd** - Yugosl.
881	340.5	20	**Berlin I (Dem. R.)** - Germany
881	340.5	0.05	**Innsbruck BDN** - Austria
881	341	8	**Penmon** - Gt. Brit.
881	341	5	**Towyn** - Gt. Britain
881	341	100	**Washford** - Gt. Brit.
881	341	0.25	**Wrexham** - Gt. Brit.
886	338.6	0.025	**Murau** - Austria
888	337.8	0.05	**Gmünd** - Austria
890	337.1	50	**Algiers II** - Algeria
890	337.1	1	**Linz BDN** - Austria
890	337.1	1	**Saalfelden BDN** - Austria
890	337.1	20	**Bergen I** - Norway
890	337.1	20	**Kristiansand** - Norw.
890	337.1	20	**Tröndelag** - Norway
890	337		**Dnjepropetrovsk** - USSR
895	335.0	20	**R. Tehran** - Iran
899	333.7	150	**Milano I** - Italy
908	330	140	**Brookmans Park** - Gt. Britain
912	328.9	20	**Reichenbach (Berlin I)** - Germ.
917	327.2	5	**R. Dersa, Tetuan** - Sp. Morocco
917	327.1	135	**Ljubljana** - Yugosl.
917	327.9		**Makhachkala** - USSR
926	323.9	10	**Ivanovo** - USSR
926	324.0	150	**Bruxelles II** - Belg.
935	321.0	15	**R. Africa-Maghreb** - Tangier
935	321.0	100	**Lvov** - USSR
935	321.0	5	**Berlin AFN** - Germ.
344	318	100	**Toulouse I** - France
953	314.6	15	**R. Intercontinental, Madrid** - Spain
953	314.0	100	**Brno** - Czechoslov.
953	314.0	15	**Plzen** - Chechoslov.
962	312	100	**Turku I** - Finland
962	312	0.4	**Hof** - Germany
962	311.9	20/120	**Tunis II** - Tunesia
962	311.9	20	**Leipzig I** - Germany
971	309.0	5	**Göttingen** - Germ.
971	309.0	100	**Hamburg** - Germany
971	309.0	100	**Langenberg** - Germ.
980	306.1	75	**Algiers I** - Algier
980	306.0	2	**Assiut** - Egypt
980	306.1	2.5	**Trieste II** - Trieste
980	306.1	150	**Göteborg** - Sweden
989	303.3	300	**Berlin RIAS** - Germ.
989	303	8	**R. Malaga** - Spain
998	301.0	8	**Heidelberg (SDR)** - Germany
998	301.0	100	**Kichinev** - USSR
998	301.0	60	**R. Andorra**
1000	300.0	5	**Malaga** - Spain
1002	299.4	0.015	**Kufstein** - Austria
1007	298	120	**Lopik II** - Holland
1016	295	70	**Rheinsender (SWF)** - Germany
1022	292.5	5	**R. Nacional** - Spain
1025	292.7	100	**Graz-Dobl** - Austria
1025	292.7	0.5	**Haifa** - Israel
1025	292.7	5	**R. San Sebastian** - Spain
1934	290.1	1	**Wien BDN** - Austria
1034	290.2	0.25	**3 st. AFN** - Germ.
1034	290.1	8	**Milano** - Italy
1034	290.1	5	**Napoli 2** - Italy
1034	290.1	1/2	**3 low power st.** - Italy
1034	290	100	**Tallinn** - USSR
1034	290.1	20	**R. Clube Portugues, Parede** - Portugal
1038	289.1	0.045	**Mayerhofen** - Austria
1043	287.6	20	**Rabat** - Fr. Morocco
1043	287.6	2	**Salonica** - Greece
1043	287.6	300	**Dresden (Dem. R.)** Germany
1052	285.0		**2 low power st.** - Austria
1052	285.0	2	**Fremington** - Gt. Britain
1052	285.0	120	**Start Point** - Gt. Britain
1052	285.1	5	**Bucuresti II** - Rumania
1061	283	1	**Guarda** - Portugal
1061	283	60	**Kalundborg II** - Denmark
1061	282.8	5	**Cagliari I** - Italy
1062	282.5	0.05	**Bleiburg** - Austria
1070	280	100/20	**Paris II Marseille II** - France
1070	280		**Krasnodar** - USSR
1079	297.8	2	**Minia** - Egypt
1079	278	2	**Bremerhafen** - Germ.
1079	278.0	50	**Stalinograd** - Poland
1079	278.0	20	**Plauen, Dem. R.** - Germany
1088	275		**7 low lower st.** - Austria
1088	276	150	**Droitwich** - Gt. Brit.
1088	276	7.5	**Norwich** - Gt. Brit.
1093	274.5	1	**Nicosia (FBS)** - Cyprus
1097	273.5	150	**Bratislava I** - Czechoslovakia
1106	271.2	100	**Stuttgart AFN** - Germany
1106	271	10	**Moghilev** - USSR
1115	269.1		**Aosta 2** - Italy
1115	269.1	40	**Bari 2** - Italy
1115	269.1	50	**Bologna 2** - Italy
1115	269.1	10	**Pisa 2** - Italy
1115	269.1	0.25/1	**8 low power st.** - Norway
1123	267	3	**R. España** - Spain
1124	267	0.05	**Imst** - Austria
1124	266.9	10	**Bruxelles IV** - Belg.
1124	267	5	**Stalin** - Bulgaria
1124	266	10	**Viborg** - USSR
1128	265.9	0.1	**Mürzzuschlag** - Austria
1128	266.0	3	**Pan American** - Tangier
1133	264.0	2.5	**R. Bilbao** - Spain
1133	264	135	**Zagreb I** - Yugosl.
1142	262.7	20	**Constantine I** - Algeria
1142	262.7	40	**Oran I** - Algeria
1142	262.7	0.25/1	**5 low power AFN st.** - Germany
1142	262.7		**Sohag** - Egypt
1142	263	20	**Kaliningrad** - USSR
1151	261	100	**Lisnagarvey** - Gt. Br.
1151	261	0.25	**Londonderry** - Gt. Br.
1151	261	100	**Stagshaw** - Gt. Brit.
1151	261	2	**Scarborough** - Gt. Britain
1151	260.9	20	**Cluj** - Rumania
1160	259	100	**Strasbourg I** - France
1169	256.6	6	**R. Renascenca** - Portugal
1169	257	6	**R. Capodistria** - Yugoslavia
1169	257.0	3	**Ulm-Jungingen (SDR)** - Germany
1169	257.0	8	**Heilbronn (SDR)** - Germany
1169	257.0		**Odessa** - USSR
1178	254.7	100	**Hörby** - Sweden
1178	254.5	10	**Cuenca** - Spain
1182	253.8	0.1	**Bruck/Mur** - Austria
1186	253	0.06	**Megara** - Greece
1190	252	0.5	**R. Leon** - Spain
1196	250	1	**Casablanca** - Fr. Morocco
1196	251	150	**Munich (VOA)** - Germany
1196	251	20	**Halle (Dem. R.)** - Germany
1200	250	0.5	**R. Juventud de la Coruña** - Spain
1205	248	0.8	**R. Menorca** - Spain
1205	249	100	**Bordeaux I** - France
1205	249	0.5	**Haifa** - Israel
1205	249		**Poznan** - Poland
1214	246	20	**Hamburg BFN** - Germany
1214	246	20	**Hannover BFN** - Germany
1214	246	20	**Langenberg BFN** - Germany
1214	246	10	**Herford BFN** - Germany
1214	246	10	**Berlin BFN** - Germ.
1214	246	60	**Brookmanns Park** - Gt. Britain
1214	247	20	**Burghead** - Gt. Brit.
1214	246	10	**Lisnagarvey** - Gt. Britain
1214	246	58	**Moorside Edge** - Gt. Britain
1214	246	50	**Westerglen** - Gt. Britain
1214	246	0.3/2	**5 low power st.** - Gt. Britain
1214	246	20	**Tartu** - USSR
1219	246.1	0.1	**Judenburg** - Austria
1223	245.3	0.1	**Tulln BDN** - Austria
1225	245	20	**Stara Zagora** - Bulgaria
1225	245	1	**Emissores Reunidos do Norte** - Port.

kc/s	Metres	kW	Stations
1225	245.3	100	**Falun** - Sweden
1232	243	100	**Kosice** - Czechoslov.
1239	238.3	5	**R. Valencia** - Spain
1241	242	20	**Vaasa** - Finland
1241	242	20	**Lille II** - France
1241	242	20	**Nancy II** - France
1241	242	20	**Pau** - France
1241	242	20	**Rennes II** - France
1241	242	20	**Lyon II** - France
1241	242	20	**Nice III** - France
1241	242	20	**Quimper I** - France
1241	242	10	**Odessa** - USSR
1241	242	10	**Tiraspol** - USSR
1250	240	0.05	**2 low power st.** - Austria
1250	240	5	**Dublin, Cork** - Eire
1250	240	20	**Nyiregyhaza** - Hungary
1255	239	0.05	**Bischofshofen** - Austria
1258	238	0.35	**R. Asturias** - Spain
1259	238.3	150	**Courier (VOA)** - Greece
1259	238.3	100	**Szczecin** - Poland
1268	236.6	100	**Novi Sad** - Yugosl.
1277	235	100	**Strasbourg II** - France
1286	233	100	**Praha 2** - Czechosl.
1286	233	2	**R. Renascenca** - Portugal
1295	232	100	**BBC European See (Norden Osterl.)**
1300	230.7	1	**Athens FBS** - Greece
1300	230	1	**3 low power st.** - Spain
1304	230	20	**Constantine II** - Algiers
1304	230	40	**Oran II** - Algiers
1304	230.0	0.25/1	**4 low power st. AFN** Germany
1304	230.0	1	**Heidelberg AFN** - Germany
1304	230	1	**Tel-Aviv** - Israel
1304	230		**Lodz** - Poland
1313	228	0.5/0.1	**2 low power st.** - Austria
1313	228.1	100	**Stavanger** - Norway
1313	228.5	0.5	**R. Las Palmas** - Canary Isl.
1313	228.5		**2 low power st** - Spain
1331	225.4	20	**Bari I** - Italy
1331	225.4	25	**Bologna I** - Italy
1331	225.4	0.2	**Catania I** - Italy
1331	225.4	50	**Genova I** - Italy
1331	225.4	5	**Messina I** - Italy
1331	225.4	0.2	**Palermo I** - Italy
1331	225.4	25	**Pescara I** - Italy
1331	225.4		**Udine I** - Italy
1331	225.4	80	**Roma I** - Italy
1331	226	0.8	**R. Juventud de Murcia** - Spain
1336.5	224.6	1	**Haifa** - Israel
1340	224	150	**Crowbourough** - Gt. Britain
1340	223.8	5	**3 syncr. st.** - Hung.
1349	222	20/10	**Syncronised network 6 st.** - France
1349	222.4	20	**Madona** - USSR
1358	220.9	50	**Tirana** - Albania
1358	221	20	**Bremen** - Germany
1358	221	1	**Faro** - Portugal
1367	219.5	0.35	**St. Johann BDN** - Austria
1367	219.4	1	**Bonn BFN** - Germ.
1367	219.5	0.25/5	**13 syncr. low power st.** - Italy
1367	219.5	50	**Wroclaw** - Poland
1367	219.5	24	**Bydgoszez** - Poland
1367	219	1	**Coimbra** - Portugal
1367	219.5	0.5	**Basel, Chur, Saviese, Sool** - Switzerland
1367	219	0.8	**2 low power st.** - Spain
1375	214	0.2	**R. Zamora** - Spain
1376	218	100	**Lille I** - France
1376	218.0	0.25	**R. Coruna** - Spain
1383	216.6	1	**Valencia** - Spain
1385	217	100	**Kaunas** - USSR
1390	215.8	1	**Jerusalem** - Israel
1394	215.2	15	**Graz I** - Austria
1394	215.2	15	**Linz I** - Austria
1394	215.2	0.25	**Bitburg AFN** - Germany
1394	215.2	0.2/0.5	**11 low power st.** - Sweden
1400	214.2	0.8	**R. Cantabria** - Spain
1403	213.8	0.25	**R. Castellon** - Spain
1403	214	10/20	**Montpellier, Bordeaux II, Louvetot, Nice II, Quimper II**, France
1403	214	0.4	**R. Denia** - Spain
1403	213.8	5	**Comotini** - Greece
1408	213	0.8	**R. Oviedo** - Spain
1412	212.4	3	**Bad Mergentheim (SDR)** - Germany
1412	212.5		**2 low power st.** - Spain
1412	212	5	**Maribor** - Yugosl.
1412	212	20	**Pristina** - Yugosl.
1412	212	15	**Rijeka** - Yugoslavia
1415	212	0.8	**R. Valencia** - Spain
1421	211.2	5	**Algiers III** - Algeria
1421	211.1	20	**R. Saarbrücken** - Saar
1425	210	0.19	**R. Utiel** - Spain
1428	210.0	0.25	**R. Falange de Oviedo** - Spain
1430	210	15	**Herstedvester** - Denmark
1430	210	70	**Skive** - Denmark
1439	208.5	0.2	**R. Mallorca** - Spain
1439	208	150	**R. Luxembourg II** -
1440	208	0.5	**R. Sagunto** - Spain
1447	207.0	0.2	**R. Cordoba** - Spain
1448	207.2	5	**Ancona 2** - Italy
1448	207.2	5	**Catania 2** - Italy
1448	207.2	5	**Firenze 2** - Italy
1448	207.2	10	**Palermo 2** - Italy
1448	207.2	5	**Sanremo 2** - Italy
1448	207.2		**Sassari 2** - Italy
1448	207.2	20	**Torino 2** - Italy
1448	207.2		**Udine 2** - Italy
1448	207.2	9	**R. Castilla** - Spain
1448	207.2	0.5	**Gävle** - Sweden
1448	207.2	1	**Hudiksvall** - Sweden
1448	207.2	2	**Vesterås** - Sweden
1448	207.2	1	**Örnsköldsvik** - Sweden
1449	207.0	0.2	**R. España** - Spain
1450	207.0	1	**R. Jaen** - Spain
1457	206.0	0.025	**5 low power st.** - Austria
1457	206	2	**Redruth** - Gt. Brit.
1457	206	20	**Clevedon** - Gt. Brit.
1457	206	10	**Bartley** - Gt. Brit.
1457	206	2	**Brighton** - Gt. Brit.
1457	206	1	**Folkestone** - Gt. Brit.
1457	206	2	**Bexhill** - Gt. Brit.
1457	205.9		**5 low power st.** - Austria
1457	205.9	20	**Craiova** - Rumania
1457	205.9	0.2	**R. Vitoria** - Spain
1466	205	120	**Monte Carlo** - Monaco
1466	204.6	0.25	**Geilo** - Norway
1466	204.6	0.25	**Sandnessjöen** - Norway
1466	204.6	1	**Narvik** - Norway
1466	204.6	0.25	**Odda** - Norway
1466	204.6	1	**Porsgrunn** - Norw.
1466	204.6	0.25	**Svalbard** - Norway
1475	203.4	10	**Salzburg** - Austria
1475	203.4	2	**Wien II** - Austria
1475	203.4	0.2	**R. Huesca** - Spain
1475	203.4	7	**Klagenfurt II** - Austria
1484	202.2	0.2	**Bone** - Algeria
1484	202.2	0.75	**Michelet** - Algeria
1484	202	2	**København** - Denm.
1484	202	0.25	**Aalborg** - Denmark
1484	202	0.25	**Tønder** - Denmark
1484	202	1	**Helsinki II** - Finl.
1484	202	1	**Pietarsaari** - Finl.
1484	202	1	**Pori** - Finland
1484	202	0.2	**Tammisaari** - Finl.
1484	202	1	**Tampere** - Finland
1484	202	0.2	**Turku II** - Finland
1484	202	0.05/1	**7 low power st.** - France
1484	202	2	**Barrow** - Gt. Britain
1484	202	2	**Ramsgate** - Gt. Brit.
1484	202.2	0.1	**Athens III** - Greece
1484	202.2	0.25	**Volos** - Greece
1484	202.2	5	**Freies Berlin** - Germany
1484	202.2	0.25	**Keflavik TFK** - Iceland
1484	202.2	0.25/2	**5 low power st.** - Italy
1484	202.1	1	**Madeira Isl.**
1484	202.2	0.025	**Mosjöen** - Norway
1484	202.2	0.25	**Rjukan** - Norway
1484	202.2	0.25	**Brönnöysund** - Norway
1484	202.2		**Gdansk** - Poland
1484	202.2		**2 low power st.** - Spain
1484	202.5	5	**Vatican Radio** -
1484	202		**6 low power st.** - Yugoslavia
1484	202	2	**Usti nad Labem** - Czechoslovakia
1484	202	2	**Liberec** - Czechosl.
1484	202	2	**Hradec Kralove** - Czechoslovakia
1484	202	2	**Tatry** - Czechosl-
1490	201	0.8	**R. Alcoy** - Spain
1492	201.1		**9 low power st.** - Spain
1493	201	0.05	**4 low power st.** - Austria
1493	201	0.25/1	**5 low power st.** - France
1493	201.0		**5 low power st.** - Spain
1495	201.0	0.2	**R. Cadiz** - Spain
1495	200.5	0.005	**R. Altitude** - Port.
1498	200.3	0.05	**Bludenz** - Austria
1500	200	0.5	**Godhavn** - Greenland
1500	200	0.15	**Gibraltar** - Gibraltar
1500	200		**12 low power st.** - Spain
1500	200.0	0.05	**Mariapfarr** - Austria
1502	199.7	0.25	**3 low power st. AFN** - Germany
1502	199.7		**Cracow** - Poland
1502	199.7	0.4	**Münster** - Germany
1511	198	0.8	**R. Soria** - Spain
1511	198.5	20	**Bruxelles III** - Belg.
1511	198.5	0.3	**Patras** - Greece
1511	198.5	0.06	**Chania** - Greece
1520	197.4	5	**Ceske Budejovice** -
1520	197.4	5	**Karlovy Vary** - Czechoslovakia
1520	197.4	5	**Praha II** - Czechosl.
1520	197.4	20	**Ostrava** - Czechosl.
1525	196.7	0.5	**R. Alerta** - Spain
1529	196.2	0.075	**Porjus** - Sweden
1529	196.2	0.06	**Söderhamn** - Sweden
1529	196.2	1.0	**Umeå** - Sweden
1529	196.2	100	**Vatican Radio**
1538	195	20	**Bad Dürrheim (SWF)** - Germany
1538	195	40	**Ravensburg (SWF)** Germany
1538	195	5	**Reutlingen (SWF)** Germany
1543	195	0.2	**R. Palencia** - Spain
1546	194	0.25/2	**13 syncr. low power st.** - Gt. Britain

kc/s	Metres	kW	Stations	kc/s	Metres	kW	Stations	kc/s	Metres	kW	Stations
1550	193.5	0.15/2	**3 low power st.** - Spain	1575	190	0.05	**R. Monovar** - Spain	1594	188.2	0.6	**Bongie** - Algeria
1552	193.2	0.25	**R. Tripoli** - Libya	1578	190.1	0.04	**30 low power st.** - Italy	1594	188	2	**Esbjerg** - Denmark
1554	193	60	**Nice I** - France	1578	190.1	10	**Fredrikstad** - Norw.	1594	188	0.2	**Karjaa** - Finland
1562	192	1	**Porto II** - Portugal	1579	190	0.2	**R. Taragona** - Spain	1594	188	0.05/2	**2 low power st.** - France
1562	192.1	0.25/2.5	**8 low power st.** - Sweden	1586	189.1	5	**Kiel** - Germany	1594	188	2.5	**Hoogezand** - Holland
1570	191.1	2	**Flensburg** - Germ.	1586	189.1	20	**Hannover** - Germany	1594	188	2.5	**Hengelo** - Holland
1570	191.1	2	**Lingen** - Germany	1586	189.1	5	**Osnabrück** - Germ.	1594	188	2.5	**Hulzberg** - Holland
1571	191	0.1	**Santa Maria** - Azores	1586	189.1	5	**Bonn** - Germany	1594	188	1	**Common frequency** Portugal
1571	191	0.2	**R. Taragona** - Spain	1586	189.1	40	**Oldenburg** - Germ.				
				1586	189.1	0.4	**Kleve** - Germany	1602	187	20/40	**Nürnberg** - Germ.

Table of allocation of call signs

The first character or the first two characters of a call sign indicates the nationality of the station using it.

AAA–ALZ	U.S.A.	HHA–HHZ	Haiti
AMA–AOZ[1])	Spain	HIA–HIZ	Dominican Rep.
APA–ASZ	Pakistan	HJA–HKZ	Colombia
ATA–AWZ	India	HLA–HMZ	Korea
AXA–AXZ	Australia	HNA–HNZ	Iraq
AYA–AZZ	Argentine	HIA–HPZ	Panama
BAA–BZZ	China	HQA–HRZ	Honduras
CAA–CEZ	Chile	HSA–HSZ	Thailand
CFA–CKZ	Canada	HTA–HTZ	Nicaragua
CLA–CMZ	Cuba	HUA–HUZ	El Salvador
CNA–CNZ	Morocco (French)	HVA–HVZ	Vatican City State
COA–COZ	Cuba	HWA–HYZ	France and Colonies
CPA–CPZ	Bolivia	HZA–HZZ	Saudi Arabia
CQA–CRZ	Portuguese Colonies	IAA–IZZ	Italy and Colonies
CSA–CUZ	Portugal	JAA–JSZ	Japan
CVA–CXZ	Uruguay	JTA–JVZ	Mongol. People's R.
CYA–CZZ	Canada	JWA–JXZ	Norway
DAA–DMZ	Germany	JYA–JYZ[1])	Jordan
DNA–DQZ	Belgian Congo	JZA–JZZ[1])	Netherl. N. Guinea
DRA–DTZ	U.S.S.R.	KAA–KZZ	U.S.A.
DUA–DZZ	Philippines	LAA–LNZ	Norway
EAA–EHZ	Spain	LOA–LWZ	Argentine
EIA–EJZ	Ireland	LXA–LXZ	Luxembourg
EKA–EKZ	U.S.S.R.	LYA–LYZ	Lithuania
ELA–ELZ	Liberia	LZA–LZZ	Bulgaria
EMA–EOZ	U.S.S.R.	MAA–MZZ	United Kingdom
EPA–EQZ	Iran	NAA–NZZ	U.S.A.
ERA–ERZ	U.S.S.R.	OAA–OCZ	Peru
ESA–ESZ	Estonia	ODA–ODZ	Lebanon
ETA–ETZ	Ethiopia	OEA–OEZ	Austria
EUA–EZZ	U.S.S.R.	OFA–OJZ	Finland
FAA–FZZ	France and Colonies	OKA–OMZ	Czechoslovakia
GAA–GZZ	United Kingdom	ONA–OTZ	Belgium and Colonies
HAA–HAZ	Hungary	OUA–OZZ	Denmark
HBA–HBZ	Switzerland	PAA–PIZ	Netherlands
HCA–HDZ	Ecuador	PJA–PJZ	Netherlands Antilles
HEA–HEZ	Switzerland	PKA–POZ	Indonesia
HFA–HFZ	Poland	PPA–PYZ	Brazil
HGA–HGZ	Hungary	PZA–PZZ	Surinam
QAA–QZZ	(Service abbreviat.)	YOA–YRZ	Roumania
RAA–RZZ	U.S.S.R.	YSA–YSZ	El Salvador
SAA–SMZ	Sweden	YTA–YUZ	Yugoslavia
SNA–SRZ	Poland	YVA–YYZ	Venezuela
SSA–SUZ	Egypt	YZA–YZZ	Yugoslavia
SVA–SZZ	Greece	ZAA–ZAZ	Albania
TAA–TCZ	Turkey	ZBA–ZJZ	British Colonies
TDA–TDZ	Guatemala	ZKA–ZMZ	New Zealand
TEA–TEZ	Costa Rica	ZNA–ZOZ	British Colonies
TFA–TFZ	Iceland	ZPA–ZPZ	Paraguay
TGA–TGZ	Guatemala	ZQA–ZQZ	British Colonies
THA–THZ	France and Colonies	ZRA–ZUZ	Union of S. Africa
TIA–TIZ	Costa Rica	ZVA–ZZZ	Brazil
TJA–TZZ	France and Colonies	2AA–2ZZ	United Kingdom
UAA–UQZ	U.S.S.R.	3AA–3AZ	Monaco
URA–UTZ	Ukrainian U.S.S.R.	3BA–3FZ	Canada
UUA–UZZ	U.S.S.R.	3GA–3GZ	Chile
VAA–VGZ	Canada	3HA–3UZ	China
VHA–VNZ	Australia	3VA–3VZ	France and Colonies
VOA–VOZ	Canada	3WA–3WZ[1])	Vietnam
VPA–VSZ	British Colonies	3XA–3XZ	(Not allocated)
VTA–VWZ	India	3YA–3YZ	Norway
VXA–VYZ	Canada	3ZA–3ZZ	Poland
VZA–VZZ	Australia	4AA–4CZ	Mexico
WAA–WZZ	U.S.A.	4DA–4IZ	Philippines
XAA–XIZ	Mexico	4JA–4LZ	U.S.S.R.
XJA–XOZ	Canada	4MA–4MZ	Venezuela
XPA–XPZ	Denmark	4NA–4OZ	Yugoslavia
XQA–XRZ	Chile	4PA–4SZ	British Colonies
XSA–XSZ	China	4TA–4TZ	Peru
XTA–XTZ	France and Colonies	4UA–4UZ	United Nations
XUA–XUZ[1])	Cambodia	4VA–4VZ	Haiti
XVA–XVZ[1])	Vietnam	4WA–4WZ	Yemen
XWA–XWZ[1])	Laos	4XA–4XZ[1])	Israel
XXA–XXZ	Portuguese Colonies	4YA–4YZ[1])	Intern. Civil Aviation Org.
XYA–XZZ	Burma		
YAA–YAZ	Afghanistan	5AA–5AZ	Libya
YBA–YHZ	Indonesia	5CA–5CZ[1])	Morocco (French)
YIA–YIZ	Iraq	9AA–9AZ[1])	San-Marino
YJA–YJZ	New Hebrides	9NA–9NZ[1])	Nepal
YKA–YKZ	Syrian Republic	9SA–9SZ[1])	Saar Territory
YLA–YLZ	Latvia		
YMA–YMZ	Turkey		
YNA–YNZ	Nicaragua	[1])	**Provinsially**

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SHORT WAVE STATIONS OF THE WORLD

Abbreviations: Ang. = Angola. — Austr. = Australia. — BBC = British Broadcasting Corpo. — Bulg. = Bulgaria. — Boliv. = Bolivia. — Can. = Canada. — Col. = Colombia. — Dom. Rep. = Dominician Rep. — Germ. = Germany. — Guat. = Guatemala. — Hung. = Hugary. — Indon. = Indonesia. — I.-China = Indo-China. — Ind. = India. — N. Z. = New Zealand. — Port. = Portugal. — R. Fr. Eur. = Radio Free Europe. — R. Lib. = Radio Liberation. — R. Cl. = Radio Clube. — Seneg. = Senegal. — S. Afr. = South Africa. — Thail. = Thailand. — Turk. = Turkey. — Urug. = Uruguay. — Venez. = Venezuela.

*) Standard Frequency St.

kc/s	kW	Call.	Stations
2240	1	YDB	**Djakarta** - Indon.
2330	0.3	YDI6	**Djember** - Indon.
2340	0.5	ZYV30	**R. Dif. Brazileira,** Brazil
2350	7.5		**Dacca** - Pakistan
2350	0.1	YDJ3	**Jogjakarta** - Indon.
2370	0.25	YDI3	**Surabaya** - Indon.
2390	0.1	YDN	**Kotaradja** - Indon.
2390	0.3	YDA4	**Tjirebon** - Indon.
2400	1		**Lahore** - Pakistan
2420	10/50		**Karachi** - Pakistan
2420	0.25	YDA2	**Bandung** - Indon.
2430	1	YDK2	**Palembang** - Indon.
2440	0.3	YDG2	**Surakarta** - Indon.
2442	0.5	4XB51	**Tel Aviv** - Israel
2460	0.15	YDR2	**Ternate** - Indon.
2460	1	YDB	**Djakarta** - Indon.
2480	0.5	ZYR60	**R. Cultura de Araraquara** - Brazil
2480	0.3	YDL2	**Padang** - Indon.
2490	0.15	YDH	**Semarang** - Indon.
*2500	0.5	MSF	**Teddington** - Gt. Britain
*2500	0.7	WWV	**Washington** - USA
2510	10	HLKA	**Seoul** - S. Korea
2830	0.25	HC5EX	**R. Cuenca** - Ecuad.
3188	10		**Frankfurt AFN** - Germany
3205	3	YDA	**Bandung** - Indon.
3205	5	FIQA	**Tananarive** - Madg.
3214	1	YDS	**Menado** - Indon.
3232	0.3	YDM	**Bukittingi** - Indon.
3241	0.2	2AP	**Apia** - W. Samoa
3241	0.15	YDU2	**Denpasar** - Indon.
3245	5/100	VUD	**AIR, Delhi** - India
3250	5/100	VUD	**AIR, Delhi** - India
3250	1	YDO	**Bandjarm.** - Indon.
3251	0.25		**Dar-es-Salaam** - Tanganyika
3255	0.5	ZYR62	**R. Clube de Marilia** - Brazil
3255	2	ZFY	**R. Demarara** - Br. Guyana
3255			**R. Montserrat** - Leeward Islands
3259	1	YDH2	**Semarang** - Indon.
3265	1	ZYK21	**R. Tamandare, Recife** - Brazil
3275	1	ZYR31	**Bauru R. Clube** - Brazil
3275	0.5	VP4RD	**R. Trinidad** - Trin.
3277	1	YDD	**Djakarta** - Indon.
3277			**Shrinagar** - Kashm.
3286	0.15	YDG6	**Madiun** - Indon.
3290			**Johannesb.** - S.Afr.
3295	5/100	VUD	**AIR, Delhi** - India
3295	0.15		**Samarinda** - Indon.
3297	16		**Baghdad** - Iraq
3300	5	ZIK2	**Belize** - Hond. (Br.)
3305	0.25/10	VUC	**AIR, Calcutta** - Ind.
3305	1	YDG	**Surakarta** - Indon.
3310	1	YVOG	**R. Trujillo** - Venez.
3315	2.5		**Nairobi** - Kenya
3320	0.25	YVQG	**V. de Anzoategui** - Venezuela
3325	7.5		**Dacca** - Pakistan
3325	0.25	YDQ	**Makassar** - Indon.
3325	1	ZYJ21	**R. Borborema** - Brazil
3326	7.5		**Kaduna** - Nigeria
3330	0.85	YVQL	**Voz del Tigre, El Tigre** - Venezuela
*3330	0.3	CHU	**Dominion Observatory** - Canada
3335	1	ZYR59	**A Voz do Sertao** - Brazil
3335	10/50		**Karachi** - Pakistan
3335	1		**Lahore** - Pakistan
3340	1	YVMU	**R. Carora** - Venez.
3345	0.2	HI2S	**C. Trujillo** - Dom. Republic
3345	1	ZYN22	**R. Cultura de Bahia, Salv.** - Braz.
3345	2	DZB2	**»The Call of Orient«** Philippines
3345	0.15		**Pontianak** - Indon.
3346	2.5	ZQP	**Lusaka** - N. Rhod.
3350	1	FIQA	**Tananarive** - Madagascar
3350	1	YVKT	**R. Libertador** - Venezuela
3355	1	YDI	**Surabaya** - Indon.
3356			**Johannesburg** - S. Africa
3360	5	ZQI	**Kingston** - Jamaica
3360	1	YVOC	**Ecos del Torbes** - Venezuela
3365	0.5	HI3H	**R. Villa Duerte** - Dom. Rep.
3365	5/100	VUD	**AIR, Delhi** - India
3370			**Johannesburg** - S. Africa
3370	1	YVMI	**Voz de la Fe** - Venezuela
3375	0.5	HI4V	**R. Baru** - Dom. Rep.
3375	1		**Noumea** - N. Caledonia
3380	1.5		**St. Denis** - Reunion
3380	7.5	YVQN	**Ond. Portenas** - Venezuela
3385	0.5	HI5B	**Santiago** - Dom. R.
3390	0.25	OQ2AC	**R. College** - Belg. Congo
3390	2	YVKX	**Voz de la Patria** - Venezuela
3395	0.25	YDP2	**Medan** - Indonesia
3395	1		**Lahore** - Pakistan
3395	10/50		**Karachi** - Pakistan
3396	7.5		**Salisbury** - S. Rhodesia
3400	0.7	YVKP	**R. Tropical** - Venz.
3410	2.5	YVMK	**R. Cabimas** - Venz.
3420	0.75	CR6RK	**R. Clube do Sul** - Angola
3420	1.5	YVOJ	**R. Universidad** - Venezuela
3425	5	CR8AB	**R. Goa** - P. India
3435	5/100	VUD	**AIR, Delhi** - India
3440	6.8	YVMC	**R. Mara** - Venez.
3440	7.5	CR7BM	**R. Clube de Mozambique** - Mozamb.
3450	1.2	YVLJ	**R. Maracay** - Venz.
3460	1	YVLC	**R. Valencia** - Venez.
3470	1	YVUI	**Emis. Unidas** - Venezuela
3480	0.5	YVLE	**R. Puerto Cabello** - Venezuela
3490	1	YVRA	**R. Monagas, Maturin** - Venezuela
3495	5/100	VUD	**AIR, Delhi** - India
3510	7.5	CR7AB	**R. Clube de Mozambique** - Moz.
3520	1	YVLG	**R. Girardot** - Venez.
3535	1		**Nampula** - Mozamb.
3567	0.45	CR7IC	**Beira** - Mozamb.
3850	20	EQO	**Teheran** - Iran
3905	5/100	VUD	**AIR, Delhi** - India
3915	10/50		**Karachi** - Pakistan
3915	1		**Lahore** - Pakistan
3915			**Peking** - China
3925	5	JOZ	**Tokyo** - Japan
3925	5/100	VUD	**AIR, Delhi** - India
3930	2	EPP	Teheran - Iran
3935	5/100	VUD	**AIR, Delhi** - India
3935	7.5	YDB4	**Djakarta** - Indon.
3945	1	YDH2	**Semarang** - Indon.
3945	5/100	VUD	**AIR, Delhi** - India
3945	0.25/10	VUB	AIR **Bombay** - Ind.
3950	5/100	VUD	**AIR, Delhi** - India
3950	3		**Djeddah** - Arabia
3955	5/25/50/100		**Vatic. City** - Italy
3955	7.5		**Dacca** - Pakistan
3955	10/50		**Karachi** - Pakistan
3960			**Peking** - China
3960	3		**Djeddah** - Arabia
3960	2	EQO	**Tehran** - Iran
3960	6.5/100		**R. Free Europe** - Germany
3968	1	YDL	**Padang** - Indon.
3970	2.5		**Enugu** - Nigeria
3970	5/100	VUD	**AIR, Delhi** - India
3970			**Magadan** - USSR
3975	15/100	GRC	**BBC, London** - Gt. Britain
3980	0.5	VRH4	**Suva** - Fiji Islands
3980	8/100		**VOA** - Germany
3980	5	YDI2	**Surabaya** - Indon.
3980	3		**Djeddah** - Arabia
3980	35/100		**VOA** - Tangier
3990	5/100	VUD	**AIR, Delhi** - India
3990	20		**R. Liberation** - Germany
3990	3		**Djeddah** - Arabia
3994			**R. Universidad** - Brazil
3995			**RAI Rome** - Italy
4049	1		**Frunze** - USSR
4273	20		**Khabarovsk** - USSR
4290	5	COX7	**Min. de Educacion, Habana** - Cuba
4310			**Chimkent** - USSR
4364	2		**Nikolajevsk** - USSR
4370			**Johannesburg** - S. Africa
4425	1		**Thule (AFRS)** - Greenland
4465	15/100		**Moscow** - USSR
4470	0.25	HC2MX	**R. Guayaquil** - Ecuador
4550	15/100		**Moscow** - USSR
4560	15/100		**Moscow** - USSR
4580	0.3	HC4FF	**Voz de Esmeraldas** - Ecuador
4581			**Khabarovsk** - USSR
4634	15/100		**Moscow** - USSR
4675	15/100		**Moscow** - USSR
4732			**Yuzno Sakhalinsk** - USSR
			4750—5060 kc/s — 60 metre band.
4750	5	YVMA	**Ecos del Zulia** - Venezuela
4750	0.25	HC5HN	**R. Hermig** - Ecuad.
4755	0.3	HC6LJ	**Voz de Bolivar** - Ecuador
4755	1	ZYY3	**R. Brazil** - Brazil
4755			**Post Telegr. R.** - Thailand
4760	5/100	VUD	**AIR, Delhi** - India

kc s	kW	Call.	Stations
4760	0.5	YVKV	**Emis. Vargas** - Venezuela
4760	0.25	HC4FA	**Voz de Manabi** - Ecuador
4765	5	HJEL	**R. de Occidente** - Colombia
4770	1	CR6RG	**R. Diamang** - Angola
4770	0.25	HC5GB	**R. Cordillera** - Ecuador
4770	1	YVMW	**Ondas del Caribe** - Venezuela
4774	7.5		**Rangoon** - Burma
4775			**R. Progresso** - Bra.
4778	5		**Singapore** - Malaya
4780	1	YVLA	**Voz de Carabobo** - Venezuela
4780	0.2	HC4DF	**Voz de Chone** - Ecuador
4780	2.5		**Pusan** - Korea
4785	5	HJAB	**Emis. Unidas** - Colombia
4785	0.5	ZYM8	**R. Ribamar** - Braz.
4785	1	ZYY20	**R. Dif. do Guapore** - Brazil
4785	0.25	HC4AS	**Voz de los Caras** - Ecuador
4785	11		**Lahore** - Pakistan
4790	2	EQD	**Tehran** - Iran
4790	1	YVQC	**Ecos del Orinoco** - Venezuela
4795	0.25	HC5AO	**Voz del Tomebamba** - Ecuador
4795	0.25		**R. Zanzibar**
4795	0.75	HJFU	**Voz del Comercio** - Colombia
4800	1	YSDR	**R. Tropical** - Salv.
4800	0.25		**AIR Mysore** - Ind.
4800	20		**Lagos** - Nigeria
4800			**Johannesburg** - S. Africa
4800	7.5	YVME	**Ondas del Lago** - Venezuela
4800	0.3	HC4HV	**Voz de Jipijapa** - Ecuador
4805	5	ZYS8	**R. Difusora do Amazonas** - Braz.
4806	1	CR6AA	**R. Lobito** - Angola
4807	7.5		**Dacca** - Pakistan
4807	1	CR5SC	**Sao Tomé** - Port.
4810	1	YVMG	**R. Popular** - Venez.
4810	0.25	HC3RS	**R. Coro Santa Cecilia** - Ecuador
4815	0.75	HJBB	**Voz de Cucuta** - Colombia
4815	0.25	HC4DC	**R. Cenit** - Ecuador
4820	5		**Singapore** - Malaya
4820	1.5		**St. Denis** - Reunion
4820	1	YVNB	**Ondas de l'Medanos** - Venezuela
4824	3		**R. Abidjan** - Ivory R.
4825	0.5	ZYE7	**R. Educadora de Parnaiba** - Braz.
4825	1	HJHC	**R. Nariña** - Col.
4825	5/25		**R. France Asie** - Indochina
4826	15	ZQP	**R. Lusaka** - N. Rhodesia
4829	10	CR7BV	**R. Clube de Mozambique** - Mozamb.
4830	5	YVOA	**Voz del Tachira** - Venezuela
4830	0.2	HC6GB	**R. Nac. Espejo** - Ecuador
4835	0.25	HC2ET	**El Telegrafo** - Ecuador
4835	0.5	ZYV37	**R. Soc. Triangulo Mineiro** - Brazil
4835	1	HJKE	**R. Continental** - Colombia
4840	0.25/10	VUB	**AIR, Bombay** - Ind.
4840	1	YDU	**Denpasar** - Indon.
4840	1.5	YVOI	**R. Valera** - Venez.
4842	0.2	CR6RO	**Silva Porto** - Ang.
4845	0.5	ZYU8	**R. Difusora de Teresina** - Brazil
4845	1	HJGF	**R. Bucaramanga** - Colombia
4850	3	YVMS	**R. Universo** - Venez.
4850	0.25	HC3CV	**Ond. del Zamora** - Ecuador
4852	1	CR6RD	**Nova Lisboa** - Ang.
4855	1	ZYR61	**R. Difusora de Taubate** - Brazil
4855	1	HJFV	**R. Neiva** - Colombia
4855	10	YDK	**Palembang** - Indonesia
4860	0.25	HI5C	**S. Pedro de Macoris** - Dom. Rep.
4860	5		**Kuching** Sarawak
4860	5/100	VUD	**AIR, Delhi** - India
4860	10	JKL	**FEN Tokyo** - Jap.
4860			**Shrinagar** - Kashmir
4860	1	YVPA	**R. Yaracay** - Venz.
4865	1	CSA93	**Ponta Delgada** - Azores
4865	2	PRC5	**R. Clube do Para** - Brazil
4865	0.75	HJFX	**Voz de Pereira** - Colombia
4865	1	HJAE	**Emisora Fuentes** - Colombia
4865	1	YDR	**Ambon** - Indonesia
4869	1	CR6RN	**R. Club de Angola** - Angola
1870	7.5		**Colombo** - Ceylon
4870	5/100	VUD	**AIR, Delhi** - India
4870	0.25	HC1MI	**R. Gran Colombia** - Ecuador
4870	0.25	HC4DR	**R. Miramar** - Ecuad.
4875	25	HJBG	**La Voz del Norte** - Colombia
4875	0.25	HJ1JS	**Bangkok** - Thailand
4880	1		**Dakar Afrique** - Senegal
4880	5/100	VUD	**AIR, Delhi** - India
4880	0.25/10	VUC	**AIR Calcutta** - India
4880	0.3	HC1GB	**R. Nac. Espejo** - Ecuador
4880	7.5	YVKF	**Ondas Populares** - Venezuela
4885	6		**Nairobi** - Kenya
4890	0.03	HI3C	**Voz del Papagayo** - Dom. Rep.
4890	10	YVKB	**R. Venezuela**
4890	.15/100		**Moscow** - USSR
4895	5	PRF6	**R. Baaré** - Brazil
4895	5	HJCH	**Voz de la Victor** - Colombia
4895			**Johannesburg** - S. Africa
4895	10/50		**Karachi** - Pakistan
1895			**Cape Town** - S. Africa
4895	0.25	HC2BK	**R. El Mundo** - Ecuad.
4897.5	10	VLX4	**Perth** - Australia
4900	0.25		**Belize** - Br. Honduras
4900	7.5		**Colombo** - Ceylon
4900	0.25	HC1IM	**La Voz de Imbabura** - Ecuador
4900	0.3		**Lagos** - Nigeria
4900	1	YVQE	**R. Bolivar** - Venez.
4905	5	ZYZ20	**R. Relogio Fed.** - Brazil
4905	1	HJAG	**Emisora Atlantico** - Colombia
4907	0.2		**Siemrap** - Cambodia
4910	0.3	YDB2	**Djakarta** - Indon.
4910	5	JKI	**Tokyo** - Japan
4910	0.5	HI9B	**Broadcasting Hotel Mercedes** - Dom.R.
4910	0.2	HC1AR	**Voz de Montufar** - Ecuador
4910	10/50		**Karachi** - Pakistan
4915	1	HJEQ	**Voz de Cauca** - Colombia
4915	0.3	HC5LR	**Voz de Alausi** - Ecuador
4915	5	ZOY	**Accra** - Gold Coast
4920	0.2	HC2MD	**La Libertad** - Ecuador
4920	10	VLM4	**Brisbane** - Australia
4920	0.25/10	VUM	**AIR Madras** - India
4920	7.5	CR7BU	**R. Clube de Mozambique** -
4920	10	YVKR	**R. Caracas** - Venez.
4925	1	ZYV32	**R. Industr. de Juiz de Fora** - Brazil
4925		HJAR	**R. Colonial** - Colombia
4930	5/100	VUD	**AIR Delhi** - India
4930	7.5	YDP	**Medan** - Indonesia
4930	1	HC1RC	**R. Casa de la Cult** - Ecuador
4930	1		**Nampula** - Mozamb.
4935	50		**Karachi** - Pakistan
4935	1	ZYI21	**R. Poti** - Brazil
4935	1	HJFR	**Ondas de Ibague** - Colombia
4940	5/100	VUD	**AIR, Delhi** - India
4940	4	YVMQ	**R. Barquisimeto** - Venezuela
4945	0.25	HC1RQ	**R. Quito** - Ecuador
4945	1	HJCW	**Emisora Sur America** - Colombia
4945	0.25	YDA3	**Bandung** - Indon.
4945			**Johannesburg** - S. Africa
4945	0.65		**R. Abidjan** - Ivory C.
4948	1	HJAP	**R. Colonial** - Colombia
4950	1		**R. Dakar Inter** - Fr. W. Africa
4950	5	ZQI	**Kingston** - Jamaica
4950	1	YVMM	**R. Coro** - Venez.
4956	1		**Blagoveshchensk** - USSR
4958	2		**Baku** - USSR
4960	5/100	VUD	**AIR Delhi** - India
4960	1	YVQA	**R. Sucre** - Venez.
4960	0.25	HC5HP	**Ond. Ecuatorianas** - Ecuador
4965	7.5		**Colombo** - Ceylon
4970	7.5	YVLK	**R. Rumbos** - Venez.
4975	2.5	ZYY9	**R. Timbira** - Braz.
4980	0.25	OQ2AC	**R. College** - Belg. Congo
4980	0.25	HI3K	**Santiago** - Dom. R.
4980	0.25	HC5JE	**Ond. Azuayas** - Ecuador
4985	0.5	ZYZ5	**A Voz do Oeste** - Brazil
4985	1	YDN2	**Kotaradja** - Indon.
4990	2	YVMQ	**R. Occidental** - Venezuela
4990	0.4	HC3CD	**Ond. Castellanas** - Ecuador
4995	10		**Petrozavodsk** - USSR
4995	1	ZYY2	**R. Jornal do Brazil Central** - Brazil
5000	0.5	MSF	**Teddington** - Gr. Britain
*5000	2	WWVH	**Puunene** - Hawaii
*5000	1		**Kuwait** - Kuwait
*5000	8	WWV	**Washington** - USA
5000			**Yuzno Sakhalinsk** - USSR
5010	7.5		**Singapore** - Malaya
5015	5		**Vladivostok** - USSR
5020	1	HJFW	**Transm. Caldas** - Colombia
5020	0.25	HC6EM	**R. Cosmopolita** - Ecuador
5020	5	HJCX	**La Voz de Colombia** - Colombia
5024	0.4	CR6RJ	**Sa da Bandeira** - Angola
5025	1		**Colombo** - Ceylon
5025	0.2	HC5AL	**R. Astral** - Ecuad.
5026	7.5		**Kampala** - Uganda
5030	0.2	HI8Z	**Cadena Nac.** - Dom. Rep.

kc/s	kW	Call.	Stations
5030	0.4	4VGS	**R. Independance** - Haiti
5030	1	YDM2	**Bukittingi** - Indon.
5030	7.5	YVKM	**R. Continente** - Venezuela
5032	0.3		**Ibadan** - Nigeria
5033	1	CR6AA	**R. Lobito** - Angola
5035	7.5		**Dacca** - Pakistan
5040	2		**Tbilisi** - USSR
5040	0.225	4VPM	**Port-de-Paix** - Haiti
5042	1	CR6RF	**R. Club de Benguela** - Angola
5045	5	ZYP23	**R. Quitandinha** - Brazil
5045	1	COCW	**C. Nac. Cubano** - Cuba
5045	0.35		**R.O.N.G., Holiandia** - N. Guinea
5050	0.25		**Dar-es-Salaam** - Tanganyika
5050	50		**Petropavlovsk** - USSR
5050	5	YVKD	**R. Cultura** - Venez.
5055	0.5	HI2L	**Voz del Tropico** - Dom. Rep.
5055	5	HJDW	**Voz de Mellin** - Colombia
5060	7.5	YDJ	**Jogjakarta** - Indonesia
5060	0.4	4VDP	**R. Independance** - Haiti
5060	15/100		**Moscow** - USSR
5060	1		**Frunze** - USSR
5065	15/100		**Moscow** - USSR
5070	25	HJKH	**Accion Cult. Pop.** - Colombia
5080	0.35		**Salzburg BDN** - Germany
5089	10/20		**Moscow** - USSR
5150	1		**Guryev** - USSR
5175	15/100		**Moscow** - USSR
5195	0.3	HC6GT	**R. Continental** - Ecuador
5225			**Novosibirsk** - USSR
5230	2		**Nikolajevsk** - USSR
5260	10/20		**Moscow** - USSR
5305			**Taldy Kurgan** - USSR
5310			**Dzhambul** - USSR
5380	10/20		**Moscow** - USSR
5450			**Samarkand** - USSR
5455	15/100		**Moscow** - USSR
5480	15/100		**Moscow** - USSR
5485			**Molotov** - USSR
5590	40		**R. Nacional** - Spain
5740			**Yerevan** - USSR
5750	0.5	CE8AA	**R. Soc. Nac. de Agricult.** - Chile
5752	0.35	PZH5	**Paramaribo** - Surinam
5770	0.1	ZCQ3	**Victoria** - Seychelles
5780	1	CMA5	**Cuban Transatl. R. Corp.** - Cuba
5780	15/100		**Moscow** - USSR
5830			**Magadan** - USSR
5838	1	CQM4	**Bissau** - Port Guinea
5840	1.5	4VHW	**R. Haiti** - Haiti
5680	15		**Alma Ata** - USSR
5875	1	TIGPH	**Alma Tica** - Costa Rica
5885	1	HRN	**Voz de Honduras** - Honduras
5892			**Cape Town** - S. Africa
5895	0.4	CR4AA	**R. Clube C. Verde** - C. Verde Isl.
5900	0.25	ZNB	**Mafeking** - Bechuanaland
5900	0.15	4VPL	**Petionville Broadc.** - Haiti
5900	15		**Alma Ata** - USSR
5910			**Krasnoyarsk** - USSR
5912	15/100		**Moscow** - USSR
5920	15/100		**Moscow** - USSR
5930	15/100		**Moscow** - USSR
5935	1	HRA	**Voz de Lempira** - Honduras
5940	20		**Khabarovsk** - USSR
5940	15/100		**Moscow** - USSR
			5950—6200 kc/s 49 meter band
5950	1	4V2S	**R. Port au Prince** - Haiti
5950	3	BEC22	**Taipeh** - Taiwan
5955	100		**Allouis** - France
5957	3	ZPA1	**R. Nacional** - Paraguay
5955	0.25	OAX4P	**R. Huancayo** - Peru
5955	7.5/100		**Warsaw** - Poland
5955	15/100		**Moscow** - USSR
5960	35		**Saloniki (VOA)** - Greece
5960	5/100	VUD	**AIR Delhi** - India
5960	15/100		**Moscow** - USSR
5960	7.5/100		**R. Free Europe** - Germany
5960	0.5	BEC38	**Taipeh** - Taiwan
5960	5	HCJF	**Voz de Bogota** - Colombia
5965	100		**Allouis** - France
5965	0.4	YNWW	**R. Sport** - Nicaragua
5965	0.25	HC5GE	**R. Mundial** - Ecuador
5965	15/100		**Moscow** - USSR
5968	5/25/50/100		**Vatican City** - Italy
5970	1	CP5	**R. Illimani** - Boliv.
5970	50	CKNA	**R. Canada** - Canada
5970	15/100		**Moscow** - USSR
5970	0.3	CBNX	**St. John's** - Canada
5970	7.5	HI4T	**La Voz Dominicana** - Dom. Rep.
5970	7.5/100		**R. Free Europe** - Germany
5970	0.5	TGTN	**Voz de la Telefunken** - Guatemala
5970	1	YDO2	**Bandjarmasin** - Indonesia
5970	0.2	HC1JT	**R. Jota** - Ecuador
5970	5/100	VUD	**AIR Delhi** - India
5970	2	OBX4Q	**R. El Sol** - Peru
5972	25		**R. Andorra**
5975	0.25	YSWW	**La Voz del Pueblo** - El Salvador
5975	5	TGNA	**R. Cultural** - Guat.
5975	7.5/100		**Warsaw** - Poland
5975	3		**Djeddah** - Arabia
5980	20		**Deutsche Welle** - Germany
5980	0.4	TGAR	**R. Quetzal** - Guat.
5980	5	HJDY	**R. Libertad** - Colombia
5980	5/100	VUD	**AIR Delhi** - India
5980	50		**Karachi** - Pakistan
5980	0.5	OBX4M	**R. Panamericana** - Peru
5980	0.3	HC6RT	**R. Paz y Bien** - Ecuador
5980			**Bucuresti** - Ruman.
5980	2		**Yakutsk** - USSR
5980	15/100		**Moscow** - USSR
5985	5	LRS2	**R. Splendid** - Argentina
5985	4	OEI30	**Wien** - Austria
5985	7.5/100		**R. Free Europe** - Germany
5990	0.3	HC6GY	**R. Luz** - Ecuador
5990	1	YDS2	**Menado** - Indon.
5990	50		**Karachi** - Pakistan
5990	20	ORU5	**Brussels** - Belg.
5990	15/100		**Moscow** - USSR
5995	1	YNDG	**R. Colonial** - Nicaragua
5995	1	HO5O	**R. Progr.** - Panama
5995	7.5/100		**Warsaw** - Poland
5995	15/100		**Moscow** - USSR
6000	0.1	OEI20	**Innsbruck** - Austria
6000	100/20	OUR4/5	**Brussels** - Belgium
6000	5	PRK5	**R. Inconfidencia** - Brazil
6000	15/100		**Moscow** - USSR
6000	10	HJKD	**Emisora Nuevo Mundo** - Colomb.
6000	1	DZH4	**Voice of the Philippines** - Philipp.
6000	20	TAN	**R. Ankara** - Turkey
6000	5	CXA2	**R. de Montevideo** - Uruguay
6000	0.2	HC6VM	**R. 11 de Noviembre** Latacunga - Ecu.
6005	0.075	CFCX	**Montreal** - Canada
6005	20		**Berlin RIAS** - Germany
6005	5/25/50/100		**Vatican City** - Italy
6005	1	HP5K	**Voz de la Victor** - Panama
6006	0.75	TIHBG	**R. Christal** - Costa Rica
6006	1	CNR3	**Rabat** - Morocco
6006	7.5		**Colombo** - Ceylon
6007			**Johannesburg** - S. Africa
6010	1	CJCX	**Sydney** - Canada
6010	5	CE601	**Emisoras Norte** - Chile
6010	1	HJFH	**Voz Armenia** - Colombia
6010	5	COCO	**Periodico del Aire** - Cuba
6010	5	YSS	**R. Nacional** - El Salvador
6010	15/100		**Moscow** - USSR
6010	50/100	GRB	**BBC, London** - Gt. Britain
6010	0.5	4VM	**R. Difusion Haitienne** - Haiti
6010	0.25/10	VUC	**AIR Calcutta** - India
6010	5/100	VUD	**AIR, Delhi** - India
6010	50/60/100		**RAI Rome** - Italy
6010	2.5	XEOI	**Radio Mil** - Mexico
6010	0.5	OAX4V	**R. America** - Peru
6015	7.5/100		**R. Free Europe** - Germany
6015	5	PRA8	**R. Clube de Pernambuco** - Brazil
6015	35		**Courier (VOA)** - Greece
6015	0.4	YNBH	**R. Panamericana** - Nicaragua
6015	0.25	HC4EB	**R. Manta** - Ecuad.
6018	5	HJCX	**Voz de Colombia** - Colombia
6019	20		**Salisbury** - S. Rhodesia
6020	40		**Khabarovsk** - USSR
6020	7.5/100		**R. Free Europe** - Germany
6020	1	HROW	**R. Monserrat** - Honduras
6020	0.25	XEUW	**El Eco de Sotavento** - Mexico
6020	50/200	KNBH	**Dixon** - USA
6020	1	OAX4Q	**R. Victoria** - Peru
6020	0.3	HC4DY	**R. Iris** - Ecuador
6022	1	ELB1	**Monrovia** - Liberia
6025	50	ZYR63	**R. Emissora de Piratininga** - Brazil
6025	0.1	HI1J	**Ondas Nacionales** - Dom. Rep.
6025	100		**Lisboa** - Portugal
6025	2.5	WTAN	**Voice of Tangier** - Tangier
6025	5/40		**Huizen** - Holland
6025	5		**Kuala Lumpur** - Malaya
6025	7.5/100		**Warsaw** - Poland
6025	5	CR8AB	**R. Goa** - Port. India
6025	0.2	HC1RP	**R. Catolica** - Ecuador
6025	1		**Lahore** - Pakistan

kc/s	kW	Call.	Stations
6028	1	OAX8B	**R. Nacional** - Peru
6030	0.25	HC2RQ	**Voz del Tropico** - Ecuador
6030	0.1	CFVP	**The Voice of the Prairies** - Canada
6030	5/25/50/100		**Vatican City** - Italy
6030	20		**Mühlacker (SDR)** - Germany
6030	0.5	XEKW	**Radio Morelia** - Morelia
6030	0.25	HP5B	**R. Cadena Miramar** - Panama
6030	2	DZH6	**»The Call of Orient«** Philippines
6030	15/100		**Moscow** - USSR
6034	7.5		**Rangoon** - Burma
6035	0.05		**Battambang** - Cambodia
6035	15/100		**Moscow** - USSR
6035	30	3AM3	**Monte Carlo** - Monaco
6035	1		**Noumea** - N. Caledonia
6035	15/100	GWS	**BBC London** - Gt. Britain
6035	50		**Karachi** - Pakistan
6035	1	HRTL	**Radio Tela** - Honduras (R.)
6035	0.15	OAX6B	**R. Landa, Arequipa** - Peru
6035	1	CXA30	**R. Nacional, Montevideo** - Uruguay
6037	0.3	TIFC-2	**Faro del Caribe** - Costa Rica
6040	0.2	2AP	**Apia** - Samoa
6040	35		**Salonika (VOA)** - Greece
6040	15/100		**Moscow** - USSR
6040	0.35		**Khartoum** - Sudan
6040	5/100	VUD	**AIR, Delhi** - India
6040	50/200	KCBR	**Delano** - USA
6040	75/200	WLWO	**Bethany** - USA
6042	0.2	OAX6A	**R. Arequipa** - Peru
6045	15/100	GSY	**BBC, London** - Gt. Britain
6045	15/100		**Moscow** - USSR
6045	0.1	XETW	**La Voz de Tampico** - Mexico
6045	100	YDF	**Djakarta** - Indon.
6045	5	CE604	**R. Libertad** - Chile
6045	1	HOU31	**Voz del Baru, David** - Panama
6045	10/100		**Allouis** - France
6050	0.7	HI1N	**Emisoras Unidas** - Dom. Rep.
6050	0.75	YSR	**La Voz de El Salvador** - El Salv.
6050	0.6	RHLP	**R. America** - Honduras
6050	15/100	GSA	**BBC, London** - Gt. Britain
6050	0.5	VSZ10	**Tawara** - Gilbert Isl.
6050	0.8	HCJB	**Voz de los Andes** - Ecuador
6055	50		**Komsomolsk** - USSR
6055	7.5	PRE21	**R. Record** - Brazil
6055	1	HJEA	**R. Pacifico** - Colombia
6055	5	JOZ2	**Tokyo** - Japan
6055	0.6	YNOW	**La Voz de la America Central** - Nicaragua
6055	5	CXA14	**Servicio de Information** - Uruguay
6055	0.25	DYH4	**Silliman University** Philippines
6055	100	HER2	**Schwarzenburg** - Switzerland
6055	10		**R. Liberation** - Germany
6055	0.3	OAX6E	**R. Continental** - Peru
6057	0.25	OAX2A	**R. Trujillo** - Peru
6060	0.5		**Damascus** - Syria
6060	15/100	GSX	**BBC, London** - Gt. Britain
6060	2.5	VQ7LO	**Nairobi** - Kenya
6060	50	CKRZ	**R. Canada** - Canada
6060	50	OZF3	**Herstedvester** - Denmark
6060	15/100		**Moscow** - USSR
6060	35		**S. Fernando (VOA)** Philippines
6060	5/100	VUD	**AIR, Delhi** - India
6060	50/200	KNBH	**Dixon** - USA
6060	50	WDSI	**Brentwood** - USA
6060	0.1	CP44	**R. Popular** - Bolivia
6060	0.25	HC1AC	**Voz de la Democracia** - Ecuador
6061	10		**R. Rural Brasileira** Brazil
6062.5	10	LRA1	**R. del Estado** - Arg.
6065	0.2	YNEQ	**Voz de la Victoria** - Nicaragua
6065	100		**Hörby** - Sweden
6065	0.25		**AIR, Mysore** - India
6065	5/100	VUD	**AIR, Delhi** - India
6065	0.3	HC2FQ	**R. Continental** - Ecuador
6067	0.25		**R. Dersa, Tetuan** - Sp. Morocco
6069	50	JOA	**Tokyo** - Japan
6070	1	CFRX	**Toronto** - Canada
6070	15/100	GRR	**BBC, London** - Gt. Britain
6070	100		**Sofia IV** - Bulgar.
6070	0.25	HRQ5	**Voz de Suyapa,** - Honduras
6070	0.25	CP18	**R. El Condor** - Bol.
6070	15/100		**Moscow** - USSR
6070	0.2	HC2AQ	**Nueva R. Ortiz** - Ecuador
6070	50		**Petropavlovsk** - USSR
6072			**Bukhara** - USSR
6050	2		**Tbilisi** - USSR
6074	4.5		**R. AEF Brazzaville** Fr. E. Africa
6075	20		**NWDR** - Germany
6075	5/100	VUD	**AIR, Delhi** - India
6075	0.5	TIGG	**R. Excelsior** - Costa Rica
6075	2.5	CXA3	**R. Ariel** - Uruguay
6075	50		**Karachi** - Pakistan
6075	1		**Lahore** - Pakistan
6080	35/50/100		**Tangier (VOA)** - Tangier
6080	50	JOB	**Tokyo** - Japan
6080	0.3	DZI7	**Voice of Manila** - Philippines
6080	10	JKI3	**FEN, Tokyo** - Jap.
6080	8/100		**Munich (VOA)** - Germany
6080	0.01	CKFX	**Vancouver** - Can.
6080	5/100	VUD	**AIR, Delhi** - India
6080	7.5	ZL7	**Wellington** - N.Z.
6080	1	CSB51	**R. Clube Portuguese** - Portugal
6080	5		**Vladivostok** - USSR
6082	15	OAX4Z	**R. Nacional** - Peru
6085	40/50/100		**Cairo** - Egypt
6085	0.5	VP4RD	**R. Trinidad** - Trin.
6085	0.25/10	VUM	**AIR, Madras** - Ind.
6085	16	ZYK2	**R. Jornal do Commercio** - Brazil
6085	100	ORU4	**Bruxelles** - Belg.
6090	2	VLI6	**Sydney** - Australia
6090	0.3	HOO	**La Independiente** Panama
6090	15/100	GWM	**BBC, London** - Gt. Britain
6090	50	CKOB	**R. Canada** - Can.
6090	7.5	CBFW	**Montreal (Fr. Network)** - Canada
6090	50		**R. Luxembourg**
6090	7.5		**R. Tabriz** - Iran
6090	7.5		**Dacca** - Pakistan
6090	15/100		**Moscow** - USSR
6090	1		**R. Cambodge** - Cambodia
6091	7.5	4VB	**R. Commerce** - Haiti
6095	1	OAX4H	**R. Mundial** - Peru
6095	100		**Hörby** - Sweden
6095	1	YSC	**R. Mil Veinticinco** El Salvador
6095			**Johannesb.** - S. Afr.
6095	3.5	BED29	**Taipei** - Taiwan
6095	30	OLR	**Praha** - Chechosl.
6095	7.5/100		**R. Free Europe** - Germany
6095	25	ZYB7	**R. Difusora de Sao Paulo** - Brazil
6095	0.25	HC5PT	**Voz del Perpetuo Socorro** - Ecuador
6100	2	YNV	**R. Nacional** - Nicaragua
6100	0.3		**Lagos** - Nigeria
6100	3		**Djeddah** - Arabia
6100	0.25	ZIK2	**Belize** - Honduras (Brit.)
6100	15/100		**Moscow** - USSR
6100			**Peking** - China
6100	10/100		**R. Yugoslavia** - Yugoslavia
6100	1.2	TGOA	**La Voz de las Americas** - Guatemala
6100	0.3	YSJM	**Difusora YSJM** - El Salvador
6100	0.25	HC5JA	**R. Atenas** - Ecuad.
6105	0.3	OAX6F	**R. Nacional** - Peru
6105	5	ZYN6	**Ceara R. Clube** - Brazil
6105	0.25	HRXW	**R. Comayagüela** - Honduras
6105	5	HJFR	**R. Manizales** - Colombia
6105	1		**Britcom** - Japan
6105	7.5/100		**R. Free Europe** - Germany
6110			**Shrinagar** - Kashmir
6110	15/100	GSL	**BBC, London** - Gr. Britain
6110	7.5/100		**BFEBS Singapore** - Malaya
6110	15/100		**Moscow** - USSR
6110	5/100	VUD	**AIR, Delhi** - India
6110	1.25		**R. International** - Tangier
6112	1	HI1Z	**Voz de los Muchachos** - Dom. Rep.
6112	7.5		**Dacca** - Pakistan
6115	5		**Deutschlandsender** Germ. (Dem. R.)
6115	30	OLR2C	**Praha** - Czechosl.
6115	0.3	HC4LT	**R. Costa Azul** - Ecuador
6115	50		**Komsomolsk** - USSR
6115	15/100		**Moscow** - USSR
6115	7.5/100		**Warsaw** - Poland
6115	1		**Douala** - Fr. Cameroon
6116	25		**R. France Asie** - Indo-China
6119	3	BEC32	**Taipei** - Taiwan
6120	15/100		**Moscow** - USSR
6120	7.5	ZJM4	**Sharq al Adna** - Cyprus
6120	10	LRX1	**R. El Mundo** - Argentina
6120	15	OIX7	**Pori** - Finland
6120	1	CP15	**R. El Condor** - Bolivia
6120	50/200	KCBR	**Delano** - USA
6120	7.5		**Dacca** - Pakistan
6122	0.5	HP5H	**La Reina del Aire** - Panama
6122	100		**R. Nacional** - Spain
6125	7.5/50		**Manila (VOA)** - Philippines
6125	10	CXA4	**S. O. D. R. E.** - Uruguay
6125	1	HRQ	**Voz de Suyapas** - Honduras
6125	15/100	GWA	**BBC, London** - Gt. Britain
6125	0.5		**Stanley** - Falkland Islands
6128	1	OAX7A	**R. Cuzco** - Peru

kc/s	kW	Call.	Stations
6130	0.25	HI1G	**Emisoras HIG** - Dom. Rep.
6130	1	COCD	**Voz del Aire** - Cuba
6130	7.5	ZL11	**Wellington** - N. Z.
6130	2	VLT6	**Port Moresby** - New Guinea
6130	0.25	HC2FB	**R. Nac. Condor** - Ecuador
6130	0.5	CHNX	**Halifax** - Canada
6130	0.5	XERM	**R. Central de Mexico** - Mexico
6130	10	LKJ	**Tromsö** - Norway
6130	7.5/100		**R. Free Europe**
6130	5/100	VUD	**AIR, Delhi** - India
6130	15/100		**Moscow** - USSR
6130	0.5	YSI	**R. Intercontinental** El Salvador
6134	100		**R. Nacional** - Spain
6135		HRMS	**Voz de la Patria** - Honduras R.
6135	7.5		**Damascus** - Syria
6135	0.2		**R. Tahiti** - Tahiti
6135	7.5		**Singapore** - Malaya
6135	1	HJED	**Voz del Valle** - Col.
6135	0.5	CP30	**R. Electra** - Boliv.
6135	7.5	PRC21	**R. Gaucha** - Brazil
6138	1		**Lahore** - Pakistan
6140	10	OTH	**R. Congo Belge** - Belgian Congo
6140	0.8/3	OTM1	**R. Congo Belge** - Belgian Congo
6140	0.4	YNWA	**R. Mundial, Managua** - Nicaragua
6140	0.5	HOQQ	**R. Nacional** - Pan.
6140	0.5	DYH2	**Voice of Cebu** - Phil.
6140	8/100		**Munich (Voa)** - Germany
6140	35/50/100		**Tangier (VOA)** - Tangier
6140	2.5	CXA5	**Montevideo** - Urug.
6140	0.5	HI8Z	**Cadena Nac., Sant.** Dom. Rep.
6140	0.2	HC5FD	**R. Federacion Deportiva** - Ecuad.
6145	100		**Allouis** - France
6145	15/100		**Moscow** - USSR
6145	35		**Okinawa (VOA)** - Ryukyu Islands
6145	5/100		**AIR, Delhi** - India
6145	10	HJDE	**Voz de Antioquia** - Colombia
6147	50	PRL9	**R. Nacional** - Braz.
6150	2	CKRO	**Winnipeg** - Canada
6150	5	VLR6	**Melbourne** - Austr.
6150	15/100	GRW	**BBC, London**
6150	15/100		**Moscow** - USSR
6150	20		**Khabarovsk** - USSR
6150	5/100	VUD	**AIR, Delhi** - India
6150	0.25	TIRH	**R. El Mundo** - Costa Rica
6150	5	CE615	**R. Cooperativa Vitalicia** - Chile
6150	0.25/10	VUB	**AIR Bombay** - Ind.
6150	0.35	YSP	**Voz de Cuscatlan** - El Salvador
6150	0.25	CP12	**R. Fides** - Bolivia
6150	0.25	OAX1A	**R. Delcar** - Peru
6150	7.5/100		**R. Fr. Eur.** - Germ.
6152	1		**Nampula** - Mozamb.
6153	0.5		**R. Excelsior** - Peru
6154	7		**R. Renascenca** - Portugal
6155	0.2	OEI21	**Wien I** - Austria
6155	2	EQB	**Teheran** - Iran
6155	75/200	WLWO	**Bethany** - USA
6155	10	CXA13	**R. Carve** - Uruguay
6155	0.15	4VWA	**R. Citadelle** - Haiti
6160	5	HJKJ	**Em. Nueva Granada** - Colombia
6160	10		**FEN, Tokyo** - Jap.
6160	25		**Algiers I** - Algeria
6160	0.15	CBUX	**Vancouver** - Can.
6160	10		**München (B. R.)** - Germany
6160	50	CHAC	**R. Canada** - Canada
6160	0.2	HI1R	**Voz de Fundacion** - Dom. Rep.
6160	15/100		**Moscow** - USSR
6165	5	4VCM	**La Magloire Br.** - Haiti
6165	100	HER3	**Schwarzenburg** - Switzerland
6165	2	TILS	**Para Ti** - Costa Rica
6165	1		**Saigon** - I.-China
6165	15/100		**Moscow** - USSR
6165	20		**Damascus** - Syria
6165	50	GWK	**BBC, London**
6165	7.5	ZYR58	**R. Cultura** - Brazil
6170	5	ZJM5	**Sharq al Adna** - Cyprus
6170	1	DUH2	**The Peoples Station** - Philipp.
6170	50	GSZ	**BBC, London** - Gt. Britain
6170	15/100		**Moscow** - USSR
6170	50	WDSI	**Brentwood** - USA
6170			**Peking** - China
6170	0.35	OBX4B	**R. Azul** - Peru
6170	0.2	HC2PJ	**R. Fulminense** - Ecuador
6170	1	CXA21	**R. Fenix** - Urug.
6170	0.35	YSHQ	**Voz del Progresso** - El Salvador
6170	5	YVKO	**R. Nacional** - Venez.
6170	1	YDL3	**Padang** - Indonesia
6172	1	FIQA	**Tananarive** - Madagascar
6175	5		**Singapore** - Malaya
6175	0.3	HOB	**R. Panamericana** - Panama
6175	10		**R. Liberation** - Germany
6175	0.3	OAX7C	**R. Tahuantinsuyo** - Peru
6175	3		**Djeddah** - Arabia
6177	7.5		**Athens (NBI)** - Greece
6180	0.5	ZL1ZA	**R. Rarotonga** - Cook Islands
6180	1	TGWB	**Voz de Guatemala** - Guatemala
6180	0.25	YSMA	**Voz Suprema de Occid.** - Salvador
6180	0.3	OBX4P	**R. Miraflores** - Peru
6180	15/100	GRO	**BBC, London**
6180	3	TIGPH4	**Nueva Alma Tica** - Costa Rica
6180	10	LRA	**Mendoza** - Argent.
6180	10	HJCT	**R. Nacional** - Col.
6180	15		**Ashkabad** - USSR
6185	10	ZYR77	**R. Bandeirantes** - Brazil
6185	0.05	XECC	**R. Puebla** - Mexico
6185	100		**Lisboa** - Portugal
6185	10	LLI	**Tromsö** - Norway
6185	0.4	YNVP	**Voz de Nicaragua** - Nicaragua
6185	8/100		**VOA** - Germany
6185	50/200	KCBR	**Delano** - USA
6185	10		**R. Liberation**
6185	0.25	HC1FM	**R. Equinoccial** - Ecuador
6185	0.5	CP9	**R. Amauta** - Boliv.
6185	15/100		**Moscow** - USSR
6187	1	HRSU	**R. Progresso** - Hon.
6188	0.75	YSUA	**R. Mil Cincuenta** - El Salvador
6190	5/25/50/100		**Vatican City** - Italy
6190	5/100	VUD	**AIR, Delhi** - India
6190	0.25	OAX4G	**R. Lima** - Peru
6190	0.1	HI9T	**Broadc. Tropical** - Dom. Rep.
6190	5	CE619	**R. Cooperative Vitalica** - Chile
6195	15/100		**BBC, London** - Gt. Britain
6195	7.5/100		**Warsaw** - Poland
6195	20		**Baku** - USSR
6195	15/100		**Moscow** - USSR
6195	100		**Honolulu (VOA)** - Hawaii
6195	5	HJEZ	**Voz de Cali** - Col.
6195	7.5	PRD21	**Emisora Continental** - Brazil
6198	0.3	OAX1B	**R. Piura** - Peru
6198	0.15	4VCP	**La Voix du Nord** - Haiti
6199	0.35		**Cayenne** - Guiana (Fr.)
6200	1.5	ZOY	**Accra** - Gold Coast
6200	7.5		**Damascus** - Syria
6200	100		**Allouis** - France
6200	15/100		**Moscow** - USSR
6209	2.5		**Malaga** - Spain
6210	1	TG2	**R. Morse** - Guatem.
6210			**Bucarest** - Ruman.
6210	15/100		**Moscow** - USSR
6210			**Home Guard Radio** Thailand
6216	0.3	OAX4S	**R. San Christobal** - Peru
6220	15		**Alma Ata** - USSR
6220	5	CE622	**R. Nacional de Mineria** - Chile
6220	5/100	VUD	**AIR, Delhi** - India
6225			**Peking** - China
6235	50		**Karachi** - Pakistan
6235	0.3	HRD2	**Voz de Atlantida** - Hon.
6240	5		**RAI, Caltanisetta** - Italy
6240	1	HSK5	**R. Thailand** - Thl.
6240	0.1		**Mytilini** - Greece
6248	100		**Budapest** - Hung.
6250	1		**Technical University** - Turkey
6285	1	TGTQ	**R. Internacional** - Guatemala
6300	0.3	YSCP	**Voz de la Revolucion** - El Salvador
6330	5		**Athens FBS** - Greece
6335	0.25	TGTA	**R. Bolivar, Guatemala C.** - Guatem.
6360	100		**R. Nacional** - Port.
6360	0.6	HRP1	**El Eco de Honduras** - Honduras
6373	10/100		**R. Nacional** - Port.
6400	0.2	HC2RL	**R. Quinta Piedad** - Ecuador
6450	1	COCY	**R. Siboney** - Cuba
6480	15/100		**Moscow** - USSR
6480	0.06		**R. Herakleion** - Greece
6525	0.3		**Carpenission** - Greece
6540	15/100		**Moscow** - USSR
6570	0.2	TGCB	**R. Colonial** - Guatemala
6590	0.1		**Chios** - Greece
6600	0.5	TAZ	**Izmir** - Turkey
6660	15/100		**Moscow** - USSR
6665	0.25	TGZA	**R. Oriental** - Guat.
6675	25	HBQ	**Geneva** - Switzerl.
6678	0.15		**Chania** - Greece
6690	0.2		**Techn. School** - Turkey
6700	15/100		**Moscow** - USSR
6702			**Stalinabod** - USSR
6725	1	4XB44	**Tel Aviv** - Israel
6730	1		**Tashkent** - USSR
6790	7.5	ZJM6	**Sharq al Adna** - Cyprus
6825	15		**Tashkent** - USSR
6830	2.5	4XB21	**Tel Aviv** - Israel
6870	1	CR6RR	**R. Diamang** - Ang.
6895			**AFRS** - Korea
6900	0.015		**New Hebrides**
6960	0.25		**R. Alerta** - Spain
6967			**Magadan** - USSR
6993	0.5		**R. Leon** - Spain
6995	1		**R. Mediterraneo** - Spain
7000	1	BEC22	**Taipei** - Taiwan
7005	0.5		**R. Valladolid** - Spain

kc/s	kW	Call.	Stations
7016	50		**Karachi** - Pakistan
7018	100		**R. Nacional** - Port.
7022			**Post Telegraph R.** Thailand
7025	0.2		**Papeete** - Tahiti
7030	6.5		**Techn. University** Turkey
7049	100		**R. Nacional** - Port.
7050	40/50/100		**Cairo** - Egypt
7062	16		**Baghdad** - Iraq
7065	5/100	VUD	**AIR, Delhi** - India
7070	1	CR6RR	**R. Diamang** - Angola
7079	2.5		**Enugu** - Nigeria
7092	16		**Baghdad** - Iraq
7096	50		**Karachi** - Pakistan
			7100—7300 kc/s — 41 metre band.
7100	6		**Khartoum** - Sudan
7100	0.2		**Papeete** - Tahiti
7100	15/100		**Moscow** - USSR
7100	35/50/100		**VOA** - Tangier
7100	1	YDJ2	**Jogjakarta** - Indon.
7100	0.25		**Kathmandu** - Nepal
7105	100		**Allouis** - France
7105	0.15	CR6RD	**Nova Lisb. Ang.**
7105	7.5/100		**R. Fr. Eur.** - Germ.
7106	1	CR6AA	**Lobito** - Angola
7110	50		**Karachi** - Pakistan
7110	35		**VOA** - Ceylon
7110	15/100		**Moscow** - USSR
7110	15/100	MCS	**BBC, London**
7110	7.5		**Kampala** - Uganda
7115	8/100		**VOA** - Germany
7115	5/100	VUD	**AIR, Delhi** - India
7115	35/100		**VOA** - Tangier
7115	15/100		**Moscow** - USSR
7120	5/100	VUD	**AIR, Delhi** - India
7120	100		**Allouis** - France
7120	3		**Dieddah** - Saudi Ar.
7120	15/100	GRM	**BBC, London**
7120	7.5/100		**BFEBS**, Malaya
7125	35/100		**VOA** - Tangier
7125	0.2		**Papeete** - Tahiti
7125	5/100	VUD	**AIR, Delhi** - India
7125	15/100		**Moscow** - USSR
7125	7.5/100		**Warsaw** - Poland
7126	1	VQ6MI	**R. Somali** - Somaliland (Br.)
7130	100		**R. Nacional, Lisboa** - Portugal
7130	10		**R. Liberia**
7130	20	BED7	**Taipei** - Taiwan
7135	4	OEI31	**Wien** - Austria
7135	3	GR4AA	**R. Cl. Cabo Verde** Cap Verde Isl.
7135	5/100	VUD	**AIR, Delhi** - India
7135	15/100	GRS	**BBC, London**
7135	1	FIQA	**Tananarive** - Madagascar
7140	1	HSK6	**R. Thailand** - Thail.
7140	7.5/100		**R. Fr. Eur.** - Germ.
7140	5/100	VUD	**AIR, Delhi** - India
7140	100	TAL4	**R. Ankara** - Turkey
7140	6.6	CR6RE	**Malange** Angola
7140	7.5		**Dacca** - Pakistan
7142	0.25	CR6RA	**R. Clube de Angola** Angola
7142	100		**R. Nacional** - Spain
7145	7.5/20		**Damascus** - Syria
7145	7.5/100		**R. Fr. Eur.** - Germ.
7145	7.5/100		**Warsaw** - Poland
7150	15/100	GRT	**BBC, London**
7150	0.25	OQ2AB	**R. Elisabeth** - B. Congo
7150	5		**Berlin I** - Germ. (D.D.R.)
7150	7.5		**Dacca** - Pakistan
7150	5		**Yerevan** - USSR
7150	5/100	VUD	**AIR, Delhi** - India
7151	2		**R. SEU** Spain
7155	5/100	VUD	**AIR, Delhi** - India
7155	7.5/100		**R. Fr. Eur.** - Germ.
7155	15/100		**Moscow** - USSR
7160	100		**Allouis** - France
7160	8/100		**VOA** - Germany
7160	35		**VOA** - Ryukyu Isl.
7165	5/100	VUD	**AIR, Delhi** - India
7165	15/100		**Moscow** - USSR
7165	7.5/100		**R. Fr. Eur.** - Germ.
7170	5/100	VUD	**AIR, Delhi** - India
7170	0.2		**Radio St. Denis** - Reunion
7170			**Peking** - China
7175	7.5/100		**R. Fr. Eur.** - Germ.
7175	7.5/100		**Warsaw** - Poland
7175			**RAI, Palermo** - Italy
7175	7.5		**Kaduna** - Nigeria
7175	2.5	WTAN	**Voice of Tangier** -
7180	15/100		**Moscow** - USSR
7180	5/100	VUD	**AIR, Delhi** - India
7180	0.06	CR4AB	**R. Clube Mindelo** - C. Verde Isl.
7180	50	JOB2	**Tokyo** - Japan
7180	7.5/100		**R. Fr. Eur.** - Germ.
7185	15/100	GRK	**BBC, London** - Gt. Britain
7185	20		**Lagos** - Nigeria
7190	15/100		**Moscow** - USSR
7190	5/100	VUD	**AIR, Delhi** - India
7190	7.5/35		**Colombo** - Ceylon
7192	7.5/100		**R. Fr. Eur.** - Germ.
7200	0.75		**S. Isabel** - Sp. Guin.
7200	0.8		**R. Juventud de Albacete** - Spain
7200	50		**Karachi** - Pakistan
7200	15/100	GWZ	**BBC, London** - Gt. Britain
7200	35		**Courier (VOA)** - Greece
7200	15/100		**Moscow** - USSR
7200			**Stalinabad** - USSR
7200	35/50/100		**VOA** - Tangier
7200	5		**Singapore** - Malaya
7200	0.25	OQ2AC	**R. College** - Belg. Congo
7200	10/100		**R. Yugoslavia** - Yugoslavia
7200	1	CR6RO	**Silva Porto** - Ang.
7205	1		**R. Hue** - Indochina
7205	7.5/100		**Warsaw** - Poland
7205	5/100	VUD	**AIR, Delhi** - India
7210	5/100	VUD	**AIR, Delhi** - India
7210	0.25/10	VUC	**AIR, Calcutta** - Ind.
7210	15/100	GWL	**BBC, London**
7210	40		**Lopik 4** - Holland
7210	15/100		**Moscow** - USSR
7210	100		**Hörby** - Sweden
7210	10	LLS	**Tromsö** - Norway
7210	100	HEI3	**Schwarzenburg** - Switzerland
7215	35		**Salonika (VOA)** - Greece
7215	15/100		**Moscow** - USSR
7215	1		**R. Lao** - Indochina
7220	100	VLA/B7	**Shepperton** - Austr.
7220	50	VLC7	**Shepperton** - Austr.
7220	10	VLG7	**Lyndhurst** - Austr.
7220	7.5	ZL12	**Wellington** - N. Z.
7220	100	YDF5	**Djakarta** - Indon.
7220	100		**Budapest** - Hung.
7220	100		**Allouis** - France
7220	5/100	VUD	**AIR, Delhi** - India
7220	2.5	ZQP	**R. Lusaka** - N. Rhodesia
7220	1.5	YSO	**Voz de la Democracia** - El Salvador
7225	5/100	VUD	**AIR, Delhi** - India
7225	10		**R. Liber.** - Germ.
7225	7.5		**Dacca** - Pakistan
7225	50		**Karachi** - Pakistan
7225	15/100		**Moscow** - USSR
7225	0.25	CR7IB	**Beira** Mozamb.
7225	100		**R. Nacional** - Port.
7230	5/100	VUD	**AIR, Delhi** - India
7230			**Johannesburg** - S. Africa
7230	1	CR6RM	**Mocamedes** - Ang.
7230	25		**R. France Asie** - Indo-China
7230	0.25		**Oviedo** - Spain
7230	15/100	GSW	**BBC, London**
7235	15/100		**Moscow** - USSR
7235	35/50/100		**VOA** - Tangier
7235	7.5/100		**R. Fr. Eur.** - Germ.
7237	0.25	VS4S	**Jesselton** - N. Borneo
7240	5/100	VUD	**AIR, Delhi** - India
7240	100	VLA/B7	**Shepparton** - Austr.
7240	50	VLC7	**Shepparton** - Austr.
7240	10	VLG7	**Lyndhurst** - Austr.
7240	10	LLR	**Tromsö** - Norway
7240	6		**Nairobi** - Kenya
7240	1	YDP3	**Medan** - Indonesia
7240	20	TAM	**R. Ankara** - Turk.
7240	100		**Allouis** - France
7240	0.25/10	VUB	**AIR, Bomb.** - India
7242.5	50	JOA2	**Tokyo** - Japan
7245	0.3	OIE22	**Wien** - Austria
7245	15/100		**Moscow** - USSR
7245	10		**R. Liberation** - Germany
7250	5/100	VUD	**AIR, Delhi** - India
7250	8/100		**VOA** - Germany
7250	15/100	GWI	**BBC, London**
7250	5/25/50/100		**Vatican City** - Italy
7250		YDG3	**Surakarta** - Indon.
7250	35/50/100		**VOA** - Tangier
7264	7.5	CR7AA	**R. Clube de Mozambique** - Mozamb.
7255	15/100		**Moscow** - USSR
7255	7.5/100		**Warsaw** - Poland
7255	5/100	VUD	**AIR, Delhi** - India
7255			**Cape Town** - S. Afr.
7255	30	OLR8E	**Praha** - Czechosl.
7256	100		**R. Sofia IV** - Bulg.
7257.5	5	JKH	**Tokyo** - Japan
7260	50	OZF4	**Herstedvester** - Denmark
7260	15/100	GSU	**BBC, London**
7260	7.5/100		**BFEBS** - Malaya
7260	100		**R. Nacional, Lisbon** Portugal
7260	15/100		**Moscow** - USSR
7260	0.25/10	VUM	**AIR, Madras** - Ind.
7260	5/100	VUD	**AIR, Delhi** - India
7263	50		**Karachi** - Pakistan
7265	15/100		**Moscow** - USSR
7265	1		**R. Dalat** - Vietnam
7256	100		**R. Nacional** - Port.
7265	35		**Salonika (VOA)** - Greece
7265	5		**Nairobi, FBS** - Kenya
7270	7.5	YDB3	**Djakarta** - Indon.
7270	12		**Motala** - Sweden
7270	50		**Karachi** - Pakistan
7270	1		**Lahore** - Pakistan
7270	15/100		**Moscow** - USSR
7270	5/25/50/100		**Vatican City** - Ital.
7275			**Johannesb.** - S. Afr.
7275	5/100	VUD	**AIR, Delhi** - India
7275	50/60/100		**RAI, Roma** - Italy
7280	15/100		**Moscow** - USSR
7280	100	VLA/B7	**Shepparton** - Austr.
7280	50	VLC7	**Shepparton** - Austr.
7280	10	VLG	**Lyndhurst** - Austr.
7280	100		**Allouis** - France
7280	15/100	GWN	**BBC, London**
7280	5/25/50/100		**Vatican City** - Italy
7284	1		**Lahore** - Pakistan
7285	5/100	VUD	**AIR, Delhi** - India
7285	100	TAS	**R. Ankara** - Turk.
7285	5	JKJ	**Tokyo** - Japan
7285	7.5/100		**R. Fr. Eur.** - Germ.
7290	12		**Saigon** - Indo Ch.
7290	5/100	VUD	**AIR, Delhi** - India
7290	7.5	ZL13	**Wellington** - N. Z.
7290	3		**Pan American** - Tangier
7290	20		**Deutsche Welle** - Germany
7290	50/60/100		**RAI, Roma** - Italy
7295	0.25	EA8AB	**R. Clube Tenerife** - Canary Isl.
7295	1	YDQ3	**Makassar** - Indon.
7295			**Johannesb.** - S. Afr.

kc/s	kW	Call.	Stations
7295	8/100		**VOA** - Germany
7295	15/100		**Moscow** - USSR
7295	7.5/100		**R. Fr. Eur.** - Germ.
7300	7.5/100		**R. Fr. Eur.** - Germ.
7300	50/60/100		**RAI, Rome** - Italy
7300	15/100		**Moscow** - USSR
7300	3.5	BEC36	**The Voice of Righteousn.** - Taiwan
7300	7.5		**Athens** - Greece
7310	15/100		**Moscow** - USSR
7315	0.25		**R. Cotoneau** - Dahomey
7320	5	VED	**Edmonton** - Can.
7320	15/100	GRJ	**BBC, London**
7320	15/100		**Moscow** - USSR
7330	15/100		**Moscow** - USSR
*7330	3	CHU	**Dominion Observatory** - Canada
7340	15/100		**Moscow** - USSR
7340			**Leningrad** - USSR
7349	30	3AM4	**Monte Carlo** - Mon.
7350	0.25	HC2AN	**R. Cenit** - Ecuadir
7360	15/100		**Moscow** - USSR
7370	15/100		**Moscow** - USSR
7375	15/100		**Moscow** - USSR
7380	4.6		**Voz de la Falange** - Spain
~~7383~~	0.3		**Mogadishu** - ~~It. Somaliland~~
7400	15/100		**Moscow** - USSR
7400	0.5	YNAM	**Academia Militar** - Nicaragua
7420	/100		**Moscow** - USSR
7422	1		**Athens, FBS** - Greece
7430	0.05	FG8HA	**Basse-Terre** - ~~Guadeloupe~~
7440			**Stalinabad** - USSR
7470	0.25	TGDA	**Voz de Occidente** - Guatemala
7500			(**Peking**) - China
7500	0.8		**R. Alcaniz** - Spain
7547	5	ZNX32	**Bridgetown** - Barbados
7570	0.5	OZL	**Angmagssalik** - Greenland
7623	7.5		**Dacca** - Pakistan
7655	7.5		**Dacca** - Pakistan
7660	1	CE766	**R. Yungay, Santiago** - Chile
7667.5	7.5		**Dacca** - Pakistan
7670	5		**Sofia III** - Bulg.
7790	15/100		**Moscow** - USSR
7805	0.2	CR6RP	**Novo Redondo** - Angola
7850	3		**R. Tirana** - Albania
7935	1	HLKA	**Seoul** - S. Korea
7935	1.5	PSL	**Agencia Nacional** - Brazil
7940	1.2		**Alicante** - Spain
8036	2		**Beyrouth** - Lebanon
8100	0.1		**R. Korça** - Albania
8110	7	EPF	**Teheran** - Iran
8215	0.2		**R. Shkodra** Albania
8230	0.25	ZNB	**Mafeking** - Bechuanaland
8300	1	CR6RS	**R. Diamang** - Angola
8345	15/100		**Moscow** - USSR
8570	0.1		**Vlore** - Albania
8630	1	CMA5	**Cuban Transatlantic R. Corp.** - Cuba
8644	15/100		**Moscow** - USSR
8760	15/100		**Moscow** - USSR
8820	20		**Khabarovsk** - USSR
8910	15/100		**Moscow** - USSR
8915	15/100		**Moscow** - USSR
9000	0.15	4VPB	**Petionville Broadc. System** - Haiti
9009	50	4XB31	**Tel-Aviv** - Israel
~~9025~~			**Peking** - China
9026	1	COBZ	**R. Salas** - Cuba
~~9040~~			**Peking** - ~~China~~
9047	1	HRA	**»La Voz de Lempira«** - Honduras
9144	100	ORU3	**Brussels** - Belgium
9145	15/100		**Moscow** - USSR
9210	20	OTH	**R. Congo Belge** - Belg. Congo
9230	15/100		**Moscow** - USSR
9235	1	COBQ	**R. Onda Musical** - Cuba
9250	15		**Alma Ata** - USSR
9250	1	YSF	**R. Vanguardia** - El Salvador
9254			**Bucarest** - Rum.
9271	40		**Kiev** - USSR
9290	5	PRN9	**A Voz da Policia Federal** - Brazil
9310	1		**Gorno Altaysk** - USSR
9340	1	CR6RI	**R. Diamang** - Angola
9350	15		**Alma Ata** - USSR
9362	5	COBC	**R. Progreso** - Cuba
9360	50		**R. Nacional** - Spain
9378	20		**Khabarovsk** - USSR
9380	50	OTM2	**R. Congo Belge** - Belg. Congo
9380	15		**Alma Ata** - USSR
9390	15/100		**Moscow** - USSR
9410	15/100	GRI	**BBC, London**
9420	5		**RAI, Caltanisetta** - Italy
~~9420~~			~~**R. Atlantico** - Canary Islands~~
9430	15/100		**Moscow** - USSR
~~9440~~	7		~~**Brazzaville** - Fr. Eq. Africa~~
9440	100		**Allouis** - France
9444	1	CP38	**R. La Cruz del Sur** - Bolivia
9450	15/100		**Moscow** - USSR
9451	15		**Alma Ata** - USSR
9465	20	TAP	**R. Ankara** - Turkey
9466	0.5	CP24	**R. Abaroa** - Bolivia
9470	15/100		**Moscow** - USSR
9475	40/50/100		**Cairo** - Egypt
9480	15/100		**Moscow** - USSR
9480	5		**Vladivostok** - USSR
9484	50		**Karachi** - Pakistan
9485	7.5	4VC	**R. Commerce** - Haiti
9490	15/100		**Moscow** - USSR
9500—9775 kc/s — 31 metre band.			
9500	100	VLA/B9	**Shepparton** - Austr.
9500	50	VLS9	**Shepparton** - Austr.
9500	10	VLG9	**Lyndhurst** - Austr.
9500	1	CP6	**R. Illimani** - Bolivia
9500	10	XEWW	**Voz de la America Latina** - Mexico
9500	1	DZH3	**R. Philippines** - Philipp.
9500	35/50/100		**VOA** - Tangier
9502	1	CR6RB	**R. Club de Benguela** - Angola
9504	30	OLR3B	**Praha** - Czechosl.
9505	0.3	OEI32	**Wien** - Austria
9505	0.1	OAX6H	**R. Tacna** - Peru
9505	7.5	PRB22	**R. Record** - Brazil
9500	10	JBD	**Tokyo** - Japan
9505	3		**Salisbury** - S. Rhodesia
9505	0.25	HOLA	**R. Atlantico, Colon** - Panama
9505	10/100		**R. Yugoslavia** - Yugoslavia
9505	7.5/100		**R. Fr. Eur.** - Germ.
9510	15/100	GSR	**BBC, London**
9510	5	YVXJ	**R. Barquisimeto** - Venezuela
9510	0.5	OAX6W	**R. America** - Peru
9510	100	VLAB9	**Shepparton** - Austr.
9510	50	VLC9	**Shepparton** - Austr.
9510	10	VLG9	**Lyndhurst** - Austr.
9515	1	FIQA	**Tananarive** - Madagascar
9515	100	TAT	**R. Ankara** - Turk.
9515	50/200	KNBH	**Dixon** - USA
9515	15/100		**Moscow** - USSR
9518	50		**Karachi** - Pakistan
9520	7.5	CBFR	**Montreal** - Canada
9520	100		**Colombo** - Ceylon
9520	10	HJKF	**Em. Nuevo Mundo** - Colombia
9520	50	OZF5	**Herstedvester** - Denmark
9520	7.5	ZL18	**Wellington** - N. Z.
9520	75/200	WLWO	**Bethany** - USA
9520	0.25	OAX4J	**R. La Cronica Lima** - Peru
9520	100	VLA/B9	**Shepparton** - Austr.
9520	50	VLC9	**Shepparton** - Austr.
9520	10	VLG	**Lyndhurst** - Austr.
9523			**Johannesburg** - S. Africa
9525	5/100	GWJ	**BBC, London**
~~9525~~	~~2.5~~	~~ZBW3~~	~~**Hong Kong**~~
9525	7.5/20	ZBW3	**Damascus** - Syria
9526	1		**Godthaab** - Greenland
9530	35		**Salonika (VOA)** - Greece
9530	0.25/10	VUC	**AIR, Calcutta** - India
9530	5/100	VUD	**AIR, Delhi** - India
9530	15/100		**Moscow** - USSR
9530	50/200	KCBR	**Delano** - USA
9530	25/100	WGEO	**Schenectady** - USA
9530	50	WNBC	**Bound Brook** - USA
9530	50/80/100	WRUL	**R. Boston** - USA
9535	5	COCO	**Periodico del Aire** - Cuba
9535	35		**San Fernando (VOA)** - Philipp.
9535	100		**Hörby** - Sweden
9535	100	HER4	**Schwarzenburg** - Switzerland
9540	100	VLA/B9	**Shepparton** - Austr.
9540	50	VLC9	**Shepparton** - Austr.
9540	10	VLG9	**Lyndhurst** - Austr.
9540	15/100		**Moscow** - USSR
9540	1	COBQ	**R. Onda Musical** - Cuba
9540	0.5	YSLL	**S. Salvador en el Aire** - El Salvador
9540	100		**Allouis** - France
9540	8/100		**VOA** - Germany
9540	7.5	ZL2	**Wellington** - N. Z.
9540	10	LKJ2	**Tromsö** - Norway
9543	7.5		**Rangoon** - Burma
9545	0.25	XEFT	**La Voz de Vera Cruz** - Mexico
9545	75/200	WLWO	**Bethany** - USA
~~9545~~	~~0.3~~	~~OAX4K~~	~~**R. Central** - Peru~~
9545	50		**Karachi** - Pakistan
9545	15/100		**Moscow** - USSR
9545	50		**Petropavlovsk** - USSR
9550	30	OLR3A	**Praha** - Czechosl.
9550	100		**Allouis** - France
9550	15/100	GWB	**BBC, London**
9550	0.25/10	VUB	**AIR, Bombay** - India
9550	5/100	VUD	**AIR, Delhi** - India
9550	3	YDQ2	**Makassar** - Indon.
9550	5/25/50/100		**Vatican City** - Italy
9550	100	KGEI	**General Electric Comp.** - USA
9550	10	LLD	**Tromsö** - Norway
9550	0.3	DZI2	**Manila** - Philipp.
9550	50	WNBC	**Bound Brook** - USA
9550	15/100		**Moscow** - USSR
9555	15	YSS	**R. Nacional** - El Salvador
9555	15	OIX2	**Pori** - Finland
9555	0.5	XETT	**La Hora Exacta** - Mexico
9555	7.5/100		**Warsaw** - Poland
9555	7.5/20		**Damascus** - Syria
9555	15/100		**Moscow** - USSR
~~9555~~			**Peking** - China
9560	100	VLA/B9	**Shepparton** - Austr.
9560	50	VLC9	**Shepparton** - Austr.
9560	10	VLG9	**Lyndhurst** - Austr.
9560	100		**Allouis** - France

kc/s	kW	Call.	Stations
9560	5/100	VUD	**AIR, Delhi** - India
9560	10	JBD2	**Tokyo** - Japan
9562	12		**Dakar Afr.** - Seneg.
9562	10	OAX4R	**R. Nacional** - Peru
9565	16	ZYK3	**R. Jornal do Commercio** - Brazil
9565	5/100	VUD	**AIR, Delhi** - India
9565	15/100		**Moscow** - USSR
9565	50		**Komsomolsk** - USSR
9570	0.35	CP21	**R. La Plata** - Bolivia
9570	15/100	GWX	**BBC, London**
9570	7.5/100		**Warsaw** - Poland
9570	0.2	HC3JZ	**R. Fenix** - Ecuador
9570			**Bucarest** Rumania
9570	50/200	KCBR	**Delano** - USA
9575	5/100	VUD	**AIR, Delhi** - India
9575	50/60/100		**RAI, Rome** - Italy
9580	100	VLA/B9	**Shepparton** - Austr.
9580	50	VLC9	**Shepparton** - Austr.
9580	10	VLG9	**Lyndhurst** - Austr.
9580	15/100	GSC	**BBC, London** - Gt. Britain
9585	50	CKLP	**R. Canada** - Can.
9585	10		**R. Liberation** - Germany
9585	50/80/100	WRUL	**R. Boston** - USA
9590	0.25	HI2G	**Emisoras HIG** - Dom. Rep.
9590	40		**Huizen 1** - Holland
9590	0.2	OAX5C	**R. Universal** - Peru
9590	7.5/50		**Manila (VOA)** - Philippines
9590	0.25/10	VUM	**AIR, Madras** - Ind.
9590	5/100	VUD	**AIR, Delhi** - India
9590	50/200	KNBH	**Dixon** - USA
9593	40		**Kiev** - USSR
9595	35/100		**VOA** - Tangier
9595	20		**R. Cultura da Bahia** Brazil
9595	7.5/100		**R. Fr. Eur.** - Germ.
9600	15/100	GRY	**BBC, London**
9600	7.5/100		**Warsaw** - Poland
9600			**Johannesburg** - S. Africa
9600	15	HJTC	**R. Militar** - Colomb.
9600	2.5	CE960	**R. La Americana** - Chile
9600	50/200	KCBR	**Delano** - USA
9600	15		**FEN, Tokyo** - Jap.
9600			**Leningrad** - USSR
9600	15		**Ashkabad** - USSR
9605	10	JKL2	**Athens** - Greece
9607	0.25	HP5J	**La Voz de Panama** Panama
9607	7.5		**R. Fr. Eur.** - Germ.
9610	2	VLW9	**Perth** - Australia
9610	10	VLX9	**Perth** - Australia
9610	25	ZYC8	**R. Tamoio** - Brazil
9610	50	CHLS	**R. Canada** - Can.
9610	7.5	CBFX	**Montreal** - Canada
9610	10	CR8AB	**R. Goa** - Port. Ind.
9610	5	XERQ	**Corp. Mexicana de R.** - Mexico
9610	5/10/100	LLG	**Fredrikstad** - Norway
9610			**Cape Town** - **S. Afr.**
9610	15/100		**Moscow** - USSR
9610	1	OAX8C	**R. Nacional Peru**
9614	50		**Karachi** - Pakistan
9614	7.5		**Dacca** - Pakistan
9615	100	VLA/B9	**Shepparton** - Austr.
9615	50	VLC9	**Shepparton** - Austr.
9615	10	VLG9	**Lyndhurst** - Austr.
9615	0.3	OEI33	**Wien** - Austria
9615	3	TIDCR	**Diario de Costa Rica** - Costa Rica
9615	7.5/100		**Warsaw** - Poland
9615	35/50/100		**VOA** - Tangier
9615	25/100	WGEO	**Schenectady** - USA
9615	5/100	VUD	**AIR, Delhi** - India
9617	0.35		**Salzburg BDN** - Austria
9620	1	ETHA	**Addis Abeba** - Ethiopia
9620	100		**Allouis** - France
9620	5/100	VUD	**AIR, Delhi** - India
9620	12		**Saigon** Indo China
9620	7.5	ZL8	**Wellington** - N. Z.
9620	1	COJK	**Voz del Camagüeana** Cuba
9620	100		**Hörby** - Sweden
9620	20	CXA6	**S.O.D.R.E.** - Urug.
9620	15/100		**Moscow** - USSR
9625	15100		**Moscow** - USSR
9625	100		**Allouis** - France
9625	15/100	GWO	**BBC, London**
9625	10	XEBT	**El Buen Tono** - Mexico
9625	1	YVMC	**R. Popular** - Venez.
9630	50	CKLO	**R. Canada** - Can.
9630	10	HJKZ	**Mined. Ext. Cultur.** Colombia
9630	7.3	CBFO	**Montreal** - Canada
9630	35		**VOA** - Ryukyu Isl.
9630	50		**Karachi** - Pakistan
9630	5/100	VUD	**AIR, Delhi** - India
9630	50/60/100		**RAI, Rome** - Italy
9632	1	CR6RL	**R. Clube de Angola** Angola
9640	5	YVSC	**R. Nacional** - Venezuela
9635	35/50/100		**VOA** - Tangier
9640	5	LVSC	**R. Nacion.** - Venez.
9640	5	COX4	**Ministerio de Educacion** - Cuba
9640	3	CXA8	**R. Real de San Carlos** - Uruguay
9640	20		**Deutsche Welle** - Germany
9640	100		**Allouis** - France
9640	15/100	GVZ	**BBC, London**
9640	1	DZH2	**Voice of the Philippines**
9640	15/100		**Moscow** - USSR
9645	4	OEI34	**Wien** - Austria
9645	7.5	ZYV40	**R. Cultura, Pocos de Caldas** - Brazil
9645	0.3	HOJA	**R. Provincias** - Panama
9645	1	TIFC3	**Faro del Caribe** - Costa Rica
9645	5/10/100	LLH	**Fredrikstad** - Norway
9645	100		**R. Nacional** - Port.
9645	50		**Karachi** - Pakistan
9645	7.5		**Dacca** - Pakistan
9645	1		**Lahore** - Pakistan
9646	5/25/50/100		**Vatican City** - Italy
9650	100	VLA/B9	**Shepparton** - Austr.
9650	50	VLC9	**Shepparton** - Austr.
9650	10	VLG9	**Lyndhurst** - Austr.
9650	50	WDSI	**Brentwood** - USA
9650	5	ZJM8	**Sharq al Adna** - Cyprus
9650	100		**Honolulu (VOA)** - Hawaii
9650	15/100		**Moscow** - USSR
9650	100		**R. Nacional** - Port.
9650	50/200	KNBH	**Dixon** - USA
9650	3		**Djeddah** - Saudi Arabia
9655	7.5/100		**R. Fr. Eur.** - Germ.
9655	50	OTC	**Leopoldville** - Belg. Congo
9655	5/100	VUD	**AIR, Delhi** - India
9655	5	JKI2	**Tokyo** - Japan
9655	15/100		**Moscow** - USSR
9656	3	4VEH	**La Voix Evangelique** - Haiti
9660	7.5	LRX	**R. El Mundo** - Argentina
9660		AV	**Peking** - China
9660	10	VLQ9	**Brisbane** - Austr.
9660	15/100	GWP	**BBC, London**
9660	5/100	VUD	**AIR, Delhi** - India
9660	5/25/50/100		**Vatican City** - Italy
9660	15/100		**Moscow** - USSR
9660	50		**Petropavlovsk** - USSR
9665	0.3	OEI23	**Wien** - Austria
9665	50/100		**VOA** - Tangier
9665	100	HEU3	**Schwarzenburg** - Switzerland
9666	3	4VEH	**La Voix Evangelique** - Haiti
9668	5	TGNB	**R. Cultural** - Guatemala
9669	20		**Khabarovsk** - USSR
9670	25	COCQ	**Circuito CMQ** - Cuba
9670	7.5/50		**Manila (VOA)** - Philippines
9670	35		**San Fernando (VOA)** - Philipp.
9670	5/100	VUD	**AIR, Delhi** - India
9670	100		**R. Nacional** - Port.
9670	20		**Khabarovsk** - USSR
9670	40		**Kiev** - USSR
9675	7.5	PRC22	**R. Gaucha** - Brazil
9675	100		**Allouis** - France
9675	15/100		**Moscow** - USSR
9675	50	JOB3	**Tokyo** - Japan
9675	15/100	GWT	**BBC, London**
9677	100		**R. Nacional** - Spain
9680	100	VLA/B9	**Shepparton** - Austr.
9680	50	VLC9	**Shepparton** - Austr.
9680	10	VLG9	**Lyndhurst** - Austr.
9680	5	VLR9	**Melbourne** - Austr.
9680	10	VLH9	**Melbourne** - Austr.
9680	100		**Allouis** - France
9680	5/100	VUD	**AIR, Delhi** - India
9680	20	EQC	**Teheran** - Iran
9680	1	XEQQ	**R. Mexicana del Centro** - Mexico
9680			**Johannesburg** - S. Africa
9680	100		**R. Nacional** - Port.
9680	15/100		**Moscow** - USSR
9680	15		**Askhabad** - USSR
9680	10		**R. Liberation** - Germany
9685	35		**Saloniki (VOA)** - Greece
9685	35		**Courier (VOA)** - Greece
9685	1	HOH7	**Onda Popular** - Panama
9685	35/50/100		**VOA** - Tangier
9685	75/200	WLWO	**Bethany** - USA
9685			**Kaunas** - USSR
9690	100	LRA1	**R. del Estado** - Argentina
9690	15/100	GRX	**BBC, London**
9690	7.5/100		**BFEBS** - Malaya
9690	0.25	DZH5	**University of Santo Tomas** - Philipp.
9690	15/100		**Moscow** - USSR
9692	3	TIRNH	**La Voz de Costa Rica** - Costa Rica
9695	7.5/100		**R. Fr. Eur.** - Germ.
9695	50	JOA3	**Tokyo** - Japan
9700	100		**Sofia IV** - Bulgaria
9700	1	CE970	**R. Corp. Vitalicia** - Chile
9700	15/100	GWY	**BBC, London**
9700	1	TGDX	**R. Central** - Guatemala
9700	15/100		**Moscow** - USSR
9700	75/200	WLWO	**Bethany** - USA
9700	50	WDSI	**Brentwood** - USA
9700	50/200	KCBR	**Delano** - USA
9705	10		**Fundacao R. Maua** Brazil
9705	1	CR6RQ	**Nova Lisboa** - Angola
9705	20	ORU5	**Bruxelles** - Belg.
9705	5/100	VUD	**AIR, Delhi** - India
9710	5/100	VUD	**AIR, Delhi** - India
9710	50	YDF6	**Djakarta** - Indon.
9710	50/60/100		**RAI, Rome** - Italy
9710	15/100		**Moscow** - USSR
9712	7.5/100		**R. Fr. Eur.** - Germ.
9715	2	YNV	**R. Nacional** - Nicaragua
9715	100		**R. Fr. Eur.** - Germ.
9717.5	7.5/100		**R. Fr. Eur.** - Germ.

kc/s	kW	Call.	Stations
9720	50	PRL7	R. Nacional - Brazil
9720	5/100	VUD	AIR, Delhi - India
9720	15/100		Moscow - USSR
9725	50		Komsomolsk - USSR
9725	7.5/100		R. Fr. Eur. - Germ.
9727	100		R. Nacional - Port.
9727	0.6	HCJB	La Voz de los Andes - Ecuador
9730	12		Leipzig - Germany (D.D.R.) "The Call of the Orient" - Philipp.
9730	10	D7H7	
9735	15/100	GWF	BBC, London
9735			Peking - China
9735	1.2	ZPA4	R. Stentor - Parag.
9735	7.5	HI2T	»La Voz Dominicana« - Dom. R.
9735	20		Deutsche Welle - Germany
9740	25	COKG	Cadena Oriental de Radio, Cuba
9740	5/100	VUD	AIR, Delhi - India
9740	100		R. Nacional - Port.
9740	35/100		VOA - Tangier
9740	15/100		Moscow - USSR
9745	100	ORU3	Bruxelles - Belg.
9745	5		Huizen 3 - Holland
9745	0.7	HCJB	Voz de los Andes - Ecuador
9746	100		R. Nacional - Port.
9750	7.5/100		R. Fr. Eur. - Germ.
9750	5/100	VUD	AIR, Delhi - India
9750	15/100		Moscow - USSR
9750			Leningrad - USSR
9755	100		Allouis - France
9755	5/100	VUD	AIR, Delhi - India
9755	50		Karachi - Pakistan
9755	1	CR6RJ	Sa da Bandeira - Angola
9760	50	LRY	R. Belgrano - Argentina
9760	15/100	MCR	BBC, London
9760	10	TGWA	R. Nacional - Guatemala
9763	7.5	CR7BJ	R. Clube de Mozamb. - Mozamb.
9765	15/100		Moscow - USSR
9765	10		R. Liberation - Germany
9765	100		Allouis - France
9765	100		R. Nacional - Port.
9765	5/100	VUD	AIR, Delhi - India
9768	100	ORU4	Bruxelles - Belg.
9770	1	PRL4	R. Ministerio de Educacao - Brazil
9770	15/100	MCN	BBC, London
9770	15/100		Moscow - USSR
9775	100		R. Nacional - Port.
9775	25		R. France Asie - Indo-China
9775	3	BEC32	Taipei - Taiwan
9780	50/60/100		RAI, Rome - Italy
9780	15/100		Moscow - USSR
9790	40/50/100		Cairo - Egypt
9790	15/100		Moscow - USSR
9800	15/100		Moscow - USSR
9804	40		Kiev - USSR
9825	15/100	GRH	BBC, London
9833	100		Budapest - Hungary
9840	2		Baku - USSR
9850	15/100		Moscow - USSR
9865	50	YDF8	Djakarta - Indon.
9870			Johannesburg - S. Africa
9880	15/100		Moscow - USSR
9910	3	BEC24	Taipei - Taiwan
9915	15/100	GRU	BBC, London
9920	1.5		Radio AEF - Fr. Eq. Africa
9975	5		R. Kabul - Afghanistan
*10000	2	WWVH	Puunene - Hawaii
*10000	0.5	MSF	Teddington - Gt. Britain
*10000	9	WWV	Washington - USA
10020	1.5	BEC26	Taipei - Taiwan
10220	1.5	PSH	Agencia Nacional - Brazil
10260			Peking - China
10600	0.25		Belize - Br. Hond.
11300			Peking - China
11560	1	CMA5	Cuban Transatl. R. Corp. - Cuba
11570	50		Karachi - Pakistan
11580	50		Karachi - Pakistan
11620	5/100	VUD	AIR, Delhi - India
11630			Leningrad - USSR
11650	50		Karachi - Pakistan
11650	3		Djeddah - Saudi Arabia
11670	20	OTH	Radio Congo Belg. B. Congo
11670	50	HSK9	R. Thailand
11674	50		Karachi - Pakistan
11680	15/100	GRG	BBC, London
11685	5/25/50/100		Vatican City - Italy
11685	15/100		Moscow - USSR
11690	15/100		Moscow - USSR
11690			Magadan - USSR
11690			Peking - China
11695	20		Damascus - Syria
11700—11975 kc/s			**— 25 metre band.**
11700	100		Allouis - France
11700	15/100	GVW	BBC, London
11700	7.5/50		Manila (VOA) - Philipp.
11700	15/100		Moscow - USSR
11705	50	JOA4	Tokyo - Japan
11705	100		Hörby - Sweden
11705	16		Baghdad - Iraq
11705	7.5	CBFY	Montreal - Canada
11705	50	CKXA	R. Canada - Canada
11710	100	VLA/B11	Shepparton - Austr.
11710	50	VLC11	Shepparton - Austr.
11710	10	VLG11	Lyndhurst - Austr.
11710	5/100	VUD	AIR, Delhi - India
11710	35/50/100		VOA - Tangier
11710	75/200	WLWO	Bethany - USA
11710	15/100		Moscow - USSR
11715	15/100		Moscow - USSR
11715	100	HEI5	Schwarzenburg - Switzerland
11715	10	HJKQ	Mined. Nal. Cultur. - Colombia
11718	7.5		Athens - Greece
11720	50	OTM4	R. Congo Belge - Belg. Congo
11720	7	OQ2AA	R. Leo - B. Congo
11720	7.5	CBFL	Montreal - Canada
11720	50	CHOL	R. Canada - Canada
11720	10		R. Liberation
11720	2	CKRX	Winnipeg - Canada
11720	7.5	ZJM7	Sharq al Adna - Cyprus
11720	15/100		Moscow - USSR
11720	40		Kiev - USSR
11720	100		R. Nacional - Port.
11725	7.5/100		R. Fr. Eur. - Germ.
11725	50	JOB6	Tokyo - Japan
11725	7.5		Dacca - Pakistan
11725	15/100		Moscow - USSR
11726	50		Karachi - Pakistan
11730	15/100	GVV	BBC, London
11730	40		Lopik 4 - Holland
11730	50/80/100 WRUL		R. Boston - USA
11735	1	PRD22	R. Emissora Continental - Brazil
11735	35		Salonika (VOA) - Greece
11735	5/10/100	LKQ	Fredrikstad - Norway
11735	5	CXA7	R. Oriental - Uruguay
11735	7.5/100		R. Fr. Eur. - Germ.
11736	50	BED6	Taipei - Taiwan
11740	100	VLA/B11	Shepparton - Austr.
11740	10	VLG11	Shepparton - Austr.
11740	8/100	VLC11	Lyndhurst - Austr.
11740	50		VOA - Germany
11740	5	CE1174	R. Nuevo Mundo, Santiago - Chile
11740	1	COCY	R. Siboney - Cuba
11740	5/25/50/100		Vatican City - Italy
11740	7.5/100		Warsaw - Poland
11740	50/80/100 WRUL		R. Boston - USA
11740	15/100		Moscow - USSR
11745	7.5	CR7BF	R. Clube de Mozambique - Mozamb.
11745	3	BEC22	Taipei - Taiwan
11745	7.5/100		R. Fr. Eur. - Germ.
11745	15/100		Moscow - USSR
11750	15/100	GSD	BBC, London
11750	0.5		Damascus - Syria
11750	3		Djeddah - Saudi Arabia
11750	10		FEN, Tokyo - Japan
11750	50		Komsomolsk - USSR
11750	50		Komsomolsk - USSR
11755	15/100		Moscow - USSR
11755	50/100	KNBH	Dixon - USA
11755	7.5/100		R. Fr. Eur. - Germ.
11760	15/100		Moscow - USSR
11760	100	VLA/B11	Shepparton - Austr.
11760	50	VLC11	Shepparton - Austr.
11760	10	VLG11	Lyndhurst - Austr.
11760	50	CKRA	R. Canada - Canada
11760	7.5	CBFA	Montreal - Canada
11760	5/100	VUD	AIR, Delhi - India
11760	20	TAK	R. Ankara - Turkey
11760	35/50/100		VOA - Tangier
11760	7.5/100		R. Fr. Eur. - Germ.
11765	25	ZYB8	R. Tupi - Brazil
11765	15/100		Moscow - USSR
11765	10		R. Liberation - Germany
11765	0.2	HC2AU	R. Atalaya - Ecuad.
11767	1	YCYA	Radio Victoria - El Salvador
11770	100	VLA/B11	Shepparton - Austr.
11770	50	VLC11	Shepparton - Austr.
11770	10	VLG11	Lyndhurst - Austr.
11770	35		Colombo - Ceylon
11770	15/100	GVU	BBC, London
11770	7.5	YDE	Djakarta - Indon.
11770	100	YDF2	Djakarta - Indon.
11770	50		Karachi - Pakistan
11770	35/100		VOA - Tangier
11775	4	OEI35	Wien - Austria
11780	5/100	VUD	AIR, Delhi - India
11780	50	JOB4	Tokyo - Japan
11780	0.5	XENN	R. Mundial - Mex.
11780	7.5	ZL3	Wellington - N. Z.
11780	10		R. Liber. - Germ.
11780	50/80/100 WRUL		R. Boston - USA
11780	0.8	HP5G	R. Panamericana - Panama
11780	15/100		Moscow - USSR
11785	40		Kiev - USSR
11785	0.2	OEI24	Wien I - Austria
11785	10		R. Liberation - Germany
11790	35		S. Fernando (VOA) Philippines
11790	15/100	GWV	BBC, London
11790	100		Honolulu (VOA) - Hawaii
11790	5/100	VUD	AIR, Delhi - India
11790	50	WNBC	Bound Brook - USA
11790	50	WDSI	Brentwood - USA
11790	50/200	KNBH	Dixon - USA
11790	75/200	WLWO	Bethany - USA
11790	15/100		Moscow - USSR
11790	25		R. France Asie - Indo China
11795	20		Deutsche Welle - Germany
11795	100	YDF3	Djakarta - Indon.
11795	1.5	4VRW	R. Haiti - Haiti
11800	1	CE1180	R. Soc. Nac. de Agricult. - Chile
11800	1	COBH	R. Cadena Habana Cuba
11800	15/100	GWH	BBC, London

kc/s	kW	Call.	Stations
11800	50	JK14	**Tokyo** - Japan
11850	1		**Lahore** - Pakistan
11800	20		**Khabarovsk** - USSR
11805	35		**Courier (VOA)** - Greece
11805	35/100		**VOA** - Tangier
11805	0.3	HC2FW	**R. Continental** - Ecuador
11805	15/100		**Moscow** - USSR
11810	100	VLA/B11	**Shepparton** - Austr.
11810	50	VLC11	**Shepparton** - Austr.
11810	10	VLG11	**Lyndhurst** - Austr.
11810	5/100	VUD	**AIR, Delhi** - India
11810	50		**Karachi** - Pakistan
11810	50/60/100		**RAI, Rome** - Italy
11810	7.5	ZL9	**Wellington** - N. Z.
11810	15/100		**Moscow** - USSR
11815	15/100		**Moscow** - USSR
11815	2	YNV	**R. Nacional** - Nicaragua
11815	7.5/100		**R. Fr. Eur.** - Germ.
11820	15/100	GSN	**BBC, London**
11820	5/100	VUD	**AIR, Delhi** - India
11820	15/100		**Moscow** - USSR
11820	7.5/100		**BFEBS** - Malaya
11820	0.15	XEBR	**El Heraldo de Sonora** - Mexico
11825	16	ZYK32	**R. Jornal do Commercio** - Brazil
11825	10	JKI6	**FEN, Tokyo** - Japan
11825	15/100		**Moscow** - USSR
11830	25		**R. France Asie** - Indo-China
11830	35/100		**VOA** - Tangier
11830	50	WDSI	**Brentwood** - USA
11830	7.5	ZLI9	**Wellington** - N. Z.
11830	8/100		**VOA** - Germany
11830	15/100		**Moscow** - USSR
11830	5/100	VUD	**AIR, Delhi** - India
11830	7.5/100		**R. Fr. Eur.** - Germ.
11835			**Peking** - China
11835	5/100	VUD	**AIR, Delhi** - India
11835	5/15	CXA19	**El Espectador** - Uruguay
11840	100		**R. Nacional - Port.**
11840	10	LRT	**R. Independencia** - Argentina
11840	10	VLG11	**Lyndhurst** - Austr.
11840	15		**Ashkabad** - USSR
11840	50	VLC11	**Shepparton** - Austr.
11840	100	VLA/B11	**Shepparton** - Austr.
11840	2	VLW11	**Perth** - Australia
11840	8/100		**VOA** - Germany
11840	15/100	GWQ	**BBC, London**
11840	50		**Petropavlovsk** - USSR
11840	0.25	DUH5	**The Peoples Station** Philippines
11840	15/100		**Moscow** - USSR
11840	1		**Lahore** - Pakistan
11845	100		**Allouis** - France
11845	35		**Salonika (VOA)** - Greece
11845	50		**Karachi** - Pakistan
11850	3		**Djeddad** - S. Arabia
11850	10	VLG11	**Lyndhurst** - Austr.
11850	100	VLA/B11	**Shepparton** - Austr.
11850	50	VLC11	**Shepparton** - Austr.
11850	100/20	ORU4/5	**Bruxelles** - Belgium
11850	15/100		**Moscow** - USSR
11850	2.5	CE1185	**R. La Aurora** - Chile
11850	5/100	VUD	**AIR, Delhi** - India
11850	5/10/100	LLK	**Fredrikstad** - Norway
11850	5	TGNC	**R. Cultural** - Guatemala
11850	1.2	ZPA3	**R. Teleco** - Paraguay
11855	7.5/100		**R. Fr. Eur.** - Germ.
11855	2	DZH9	**Far East Bro. Co.** - Philippines
11860	15/100	GSE	**BBC, London**
11860	15/100		**Moscow** - USSR
11865	10	PRA8	**R. Clube de Pernambuco** - Brazil
11865	100	HER5	**Schwarzenburg** - Switzerland
11870	50	VLC11	**Shepparton** - Austr.
11870	50	VDSI	**Brentwood** - USA
11870	50/200	KCBR	**Delano** - USA
11870	100	VLA/B11	**Shepparton** - Austr.
11870	10	VLC11	**Lyndhurst** - Austr.
11870	5/100	VUD	**AIR, Delhi** - India
11875	100		**R. Nacional** - Port.
11875	35		**VOA** - Ceylon
18875	30	OLR4C	**Praha** - Czechosl.
11880	15/100		**Moscow** - USSR
11880	50	LRS	**Buenos Aires** - Arg.
11880	10	VLG11	**Lyndhurst** - Austr.
11880	10	VLH11	**Melbourne** - Austr.
11880	100	VLA/B11	**Shepparton** - Austr.
11880	50	VLC11	**Shepparton** - Austr.
11880	15/100	GRE	**BBC, London**
11880	35		**Salonika (VOA)** - Greece
11880	1	XEHH	**La Voz Potosina** - Mexico
11880	100		**Hörby** - Sweden
11880	7.5/100		**R. Fr. Eur.** - Germ.
11885	100	TAO	**R. Ankara** - Turkey
11885	50		**Petropavlovsk** USSR
11885	50		**Karachi** - Pakistan
11890	15/100		**Moscow** - USSR
11890	7.5		**Dacca** - Pakistan
11890	8/100		**VOA** - Germany
11890	15/100	GWW	**BBC, London**
11890	5/100	VUD	**AIR, Delhi** - India
11890	7.5/50		**Manila (VOA)** - Philippines
11890	50	WNBC	**Bound Brook** - USA
11890	25		**R. Dakar Inter** - Fr. W. Africa
11895	100		**R. Nacional** - Port.
11895	7.5/100		**R. Fr. Eur.** - Germ.
11895	5/100	VUD	**AIR, Delhi** - India
11900	10	VLG11	**Lyndhurst** - Austr.
11900	50	VLC11	**Sheppartton** - USA
11900	100	VLA/B11	**Shepparton** - Austr.
11900	0.25	OQ2AB	**R. Elisabeth** - Belgian Congo
11900	50	CKEX	**R. Canada** - Canada
11900	5	CE1190	**R. Coop. Vitalica** - Chile
11900	15/100		**Moscow** - USSR
11900	1.5	XEXE	**La Voz de Mexico** - Mexico
11900	20	CXA10	**S.O.D.R.E.** - Urug.
11900	25/100	WGEO	**Schenectady** - USA
11900			**Peking** - China
11905	50/60/100		**RAI, Rome** - Italy
11910	0.4	HCJB	**La Voz de los Andes** - Ecuador
11910	15/100	MCO	**BBC, London**
11910	100		**Budapest** - Hungary
11910	0.5	HSK7	**R. Thailand**
11910	15/100		**Moscow** - USSR
11914	50		**Karachi** - Pakistan
11914	50	OBX4R	**R. Nacional** - Peru
11915	10/100		**R. Nacional** - Port.
11915	5/100	VUD	**AIR, Delhi** - India
11915	20		**Damascus** - Syria
11915	10	HCJB	**Voz de los Andes, Quito** - Ecuador
11915	7.5/100		**R. Fr. Eur.** - Germ.
11920	100		**Allouis** - France
11920	5/100	VUD	**AIR, Delhi** - India
11920	50	BED4	**Taipei** - Taiwan
11920	15/100		**Moscow** - USSR
11925	100		**R. Nacional** - Port.
11925	10	ZYR78	**R. Bandeirantes, Sao Paulo** - Brazil
11925	1	CSA92	**Ponta Delgada** - Azores
11925	40/50/100		**Cairo** - Egypt
11926	1	CR6RQ	**BBC, London**
11930	15/100	GVX	**Nova Lisboa** - Angola
11930	15/100		**Moscow** - USSR
11930			**Peking** - China
11930	100		**R. Nacional** - Port.
11935	4	OEI36	**Wien.** - Austria
11935	100		**R. Nacional** - Port.
11935			**Johannesburg** - S. Africa
11935	1		**R. Cl. Paranaense Curitiba** - Brazil
11940	5/100	VUD	**AIR, Delhi** - India
11940	5/25/50/100		**Vatican City** - Italy
11940	35/50/100		**VOA** - Tangier
11940	7.5/100		**R. Fr. Eur.** - Germ.
11945	1	YSAXA	**La Voz Panameric.** El Salvador
11945	7.5/100		**Warsaw** - Poland
11945	15/100	MCQ	**BBC, London**
11945	15/100		**Moscow** - USSR
11945	50	CKNK	**R. Canada**
11950	5		**Huizen 3** - Holland
11950	5/100	VUD	**AIR, Delhi** - India
11950	3	ZPA5	**R. Encarnacion** - Paraguay
11950	3		**Djeddah** - S. Arabia
11955	15	HJKS	**R. Nacional** - Columbia
11955	15/100		**Moscow** - USSR
11955	15/100	GVY	**BBC, London**
11955	7.5/100		**BFEBS** - Malaya
11958	100		**R. Nacional** - Port.
11960	15/100	MCT	**BBC, London**
11960	5/100	VUD	**AIR, Delhi** - India
11960	8/100		**VOA** - Germany
11960			**Peking** - China
11960	15/100		**Moscow** - USSR
11964	100		**R. Nacional** - Port.
11965	10	CXA55	**Montevideo** - Urug.
11965	7.5	PRB24	**R. Record** - Brazil
11965	5/100	VUD	**AIR, Delhi** - India
11970	5/100	VUD	**AIR, Delhi** - India
11970	50		**Brazzaville** - Fr. Eq. Africa
11970	100		**Allouis** - France
11970	15/100		**Moscow** - USSR
11975	35		**Colombo** - Ceylon
11980	15/100		**Moscow** - USSR
11984	10	CR7BE	**R. Clube de Mozambique** - Mozamb.
11985	2.5	CE1198	**R. Soc. de Mineria** Chile
11990	100		**R. Nacional** - Port.
12000	100		**R. Nacional** - Spain
12020	15/100		**Moscow** - USSR
12030	40/50/100		**Cairo** - Egypt
12040	15/100	GRV	**BBC, London**
12095	15/100	GRF	**BBC, London**
12175	7	TFJ	**Reykjavik** - Iceland
12270	15/100		**Moscow** - USSR
12300	15/100		**Moscow** - USSR
13400	15/100		**Moscow** - USSR
14380	15/100		**Moscow** - USSR
*14670	0.3	CHU	**Dominion Observatory** - Canada
15000	2	WWVH	**Puunene** - Hawaii
15000	9	WWV	**Washington** - USA
15040	15		**Moscow** - USSR
15040	15/100		**Alma Ata** - USSR
15050	100		**R. Nacional** - Port.
15055			**Leningrad** - USSR
15060			**Peking** - China
15070	15/100	GWC	**BBC, London**
15085	5/100	VUD	**AIR, Delhi** - India
15090	50	CKLX	**R. Canada**
15090	1.5		**Forest Side** - Maur.
15095	5/25/50/100		**Vatican City** - Italy

15100—15450 kc/s — 19 metre band.

15100	100		**Allouis** - France
15100	7/20	EPB	**Teheran** - Iran
15100	15/100		**Moscow** - USSR
15100	100		**R. Nacional** - Port.
15105	7.5/50		**Manila (VOA)** - Philippines
15105			**Peking** - China
15105	10		**R. Rural Brasileira** Brazil
15110	50		**Petropavlovsk** - USSR

kc/s	kW	Call.	Stations
15110	100		**R. Nacional** - Port.
15110	15/100	GWG	**BBC, London**
15110	15/100		**Moscow** - USSR
15115	0.4	HCJB	**Voz de los Andes** - Ecuador
15115	7.5/100		**R. Fr. Eur.** - Germ.
15120	15/100		**Moscow** - USSR
15120	50/60/100		**RAI** - Italy
15120	5/25/50/100		**Vatican City** - Italy
15120	100		**R. Nacional** - Port.
15125	100		**R. Nacional** - Port.
15130	5/100	VUD	**AIR, Delhi** - India
15130	35/50/100		**VOA** - Tangier
15130	50	WNBC	**Bound Brook** - USA
15130	50/200	KCBR	**Delano** - USA
15130	15/100		**Moscow** - USSR
15135	50		**Karachi** - Pakistan
15135	50	JOA6	**Tokyo** - Japan
15135	7.5	PRB23	**R. Record** - Brazil
15140	15/100	GSF	**BBC, London**
15140	15/100		**Moscow** - USSR
15145	7.5/100		**R. Fr. Eur.** - Germ.
15145	16	ZYK33	**R. Jornal do Commercio** - Brazil
15150	100		**R. Nacional** - Port.
15150	5	CEI15	**R. Corporacion** - Chile
15150	100	YDC	**Djakarta** - Indon.
15150	10	OAX4T	**R. Nacional** - Peru
15150	5/100	VUD	**AIR, Delhi** - India
15155	25	ZYB9	**R. Difusora de Sao Paulo** - Brazil
15155	100		**Hörby** - Sweden
15155	8/100		**VOA** - Germany
15160	100	VLA/B15	**Shepparton** - Austr.
15160	50	VLC15	**Shepparton** - Austr.
15160	10	VLG15	**Lyndhurst** - Austr.
15160	100		**R. Nacional** - Port.
15160	50		**Karachi** - Pakistan
15160	5/100	VUD	**AIR, Delhi** - India
15160	100	TAU	**R. Ankara** - Turkey
15165	50	OZF7	**Herstedvester** - Denmark
15165	75/200	WLWO	**Bethany** - USA
15170	15/100		**Moscow** - USSR
15170	10	TGWA	**R. Nacional** - Guatemala
15170	5/100	VUD	**AIR, Delhi** - India
15170	5/10/100	LKV	**Fredrikstad** - Norway
15170	7.5/100		**R. Fr. Eur.** - Germ.
15175	5/10/100	LLM	**Fredrikstad** - Norway
15180	20		**Khabarovsk** - USSR
15180	50	OZF8	**Herstedvester** - Denmark
15180	15/100	GSO	**BBC, London**
15180	1	OBX4C	**R. El Sol** - Peru
15180	15/100		**Moscow** - USSR
15185	7.5/100		**R. Fr. Eur.** - Germ.
15190	50	CKCX	**R. Canada** - Canada
15190	7.5	CBFZ	**Montreal** - Canada
15190	100	OIX4	**Pori** - Finland
15190	5/100	VUD	**AIR, Delhi** - India
15195	20	TAQ	**R. Ankara** - Turkey
15195	7.5/100		**R. Fr. Eur.** - Germ.
15200	15/100		**Moscow** - USSR
15200	100	VLA/B15	**Shepparton** - Austr.
15200	50	VLC15	**Shepparton** - Austr.
15200	10	VLG15	**Lyndhurst** - Austr.
15200	75/200	WLWO	**Bethany** - USA
15205	5	XESC	**La mas Espanola** - Mexico
15205	35/100		**VOA** - Tangier
15205	50		**Karachi** - Pakistan
15210	100	VLA/B15	**Shepparton** - Austr.
15210	50	VLC15	**Shepparton** - Austr.
15210	10	VLG15	**Lyndhurst** - Austr.
15210	15/100		**Moscow** - USSR
15210	15/100	GWU	**BBC, London**
15210	5/100	VUD	**AIR, Delhi** - India
15210	50/200	KCBR	**Delano** - USA
15210	50	WNBC	**Bound Brook** - USA
15215	2	YNV	**R. Nacional** - Nicar.
15215	7.5/100		**R. Fr. Eur.** - Germ.
15220	100	VLA/B15	**Shepparton** - Austr.
15220	50	VLC15	**Shepparton** - Austr.
15220	10	VLG15	**Lyndhurst** - Austr.
15220	15/100		**Moscow** - USSR
15220	40		**Huizen 1** - Holland
15220	7.5	ZL10	**Wellington** - N. Z.
15220	100	TAL3	**R. Ankara** - Turkey
15225	25	CXA64	**Montevideo** - Urug.
15225	50	JBD3	**Tokyo** - Japan
15230	50		**Komsomolsk** - USSR
15230	10	VLG15	**Lyndhurst** - Austr.
15230	10	VLH15	**Melbourne** - Austr.
15230	50	VLC15	**Shepparton** - Austr.
15230	100	VLA/B15	**Shepparton** - Austr.
15230	15/100	GWD	**BBC, London**
15230			**Johannesburg** - S. Africa
15230	50	WDSI	**Brentwood** - USA
15230	15/100		**Moscow** - USSR
15230	50		**Petropavlovsk** - USSR
15235	5/100	VUD	**AIR, Delhi** - India
15235	50	JOB5	**Tokyo** - Japan
15240	10	VLG15	**Lyndhurst** - Austr.
15240	100	VLA/B15	**Shepparton** - Austr.
15240	50	VLC15	**Shepparton** - Austr.
15240	100		**Allouis** - France
15240	5/100	VUD	**AIR, Delhi** - India
15245	7.5/50		**Manila (VOA)** - Philippines
15250	75/200	WLWO	**Bethany** - USA
15250	50/200	KNBH	**Dixon** - USA
15250	15/100		**Moscow** - USSR
15255	50		**Karachi** - Pakistan
15255			**Peking** - China
15260	15/100	GSI	**BBC, London**
15265	5/100	VUD	**AIR, Delhi** - India
15265	7.5/100		**R. Fr. Eur.** - Germ.
15270	8/100		**VOA** - Germany
15270			**Sverdlovsk** - USSR
15270	50		**Karachi** - Pakistan
15270	7.5		**Dacca** - Pakistan
15270	15/100		**Moscow** - USSR
15270	50/200	KNBH	**Dixon** - USA
15270	50	WDSI	**Brentwood** - USA
15275	20		**Deutsche Welle** - Germany
15280	7.5	ZL4	**Wellington** - N. Z.
15280	50/80/100	WRUL	**R. Boston** - USA
15280	15/100		**Moscow** - USSR
15280	50	WNBC	**Bound Brook** - USA
15285	10	CR7BG	**R. Clube de Mozamb.** - Mozamb.
15285	50/80/100	WRUL	**R. Boston** - USA
15290	20	LRU	**B. Aires** - Argent.
15290	5/100	VUD	**AIR, Delhi** - India
15295	100		**Allouis** - France
15295	35/50/100		**VOA** - Tangier
15300	15/100		**Moscow** - USSR
15300	15/100	GWR	**BBC, London**
15300	7.5/100		**BFEBS** - Malaya
15300	2	DZH8	**"The Call of the Orient"** - Philipp.
15305	100	HER6	**Schwarzenburg** - Switzerland
15310	15/100	GSP	**BBC, London**
15310	7.5/100		**BFEBS** - Malaya
15310			**Moscow** - USSR
15310			**Novosibirsk** - USSR
15315	100	VLA/B15	**Shepparton** - Austr.
15315	50	VLC15	**Shepparton** - Austr.
15315	10	VLG15	**Lyndhurst** - Austr.
15315	50/200	KCBR	**Delano** - USA
15315	40/50/100		**Cairo** - Egypt
15320	100	VLA/B15	**Shepparton** - Austr.
15320	50	VLC15	**Shepparton** - Austr.
15320	10	VLG15	**Lyndhurst** - Austr.
15320	50	CKCS	**R. Canada** - Canada
15320	50	OZF9	**Herstedvester** - Denmark
15320	15/100		**Moscow** - USSR
15320	100		**R. Nacional** - Port.
15320	5/100	VUD	**AIR, Delhi** - India
15325	15/100		**Moscow** - USSR
15325	5/100	VUD	**AIR, Delhi** - India
15325	50/60/100		**RAI, Rome** - Italy
15330	25/100	WGEO	**Schenectady** - USA
15330	75/200	WLWO	**Bethany** - USA
15335	7.5		**Dacca** - Pakistan
15335	50		**Karachi** - Pakistan
15335	100	ORU4	**Bruxelles** - Belgium
15340	50/200	KCBR	**Delano** - USA
15340	35		**San Fernando (VOA)** - Philipp.
15340	7.5/50		**Manila (VOA)** - Philippines
15340	15/100		**Moscow** - USSR
15345	3	ETAA	**Addis Abeba** - Ethiopia
15345	7.5		**Athens** - Greece
15345	35/50/100		**VOA** - Tangier
15350	50/80/100	WRUL	**R. Boston** - USA
15350	100		**Allouis** - France
15350	5/100	VUD	**AIR, Delhi** - India
15350	5		**R. Luxembourg**
15355	7.5/100		**R. Fr. Eur.** - Germ.
15355	100		**R. Nacional** - Port.
15360	15/100		**Moscow** - USSR
15365	7.5/100		**R. Fr. Eur.** - Germ.
15370	25	ZYC9	**R. Tamoio** - Brazil
15370	15/100		**Moscow** - USSR
15380	5/100	VUD	**AIR, Delhi** - India
15380	100		**R. Nacional** - Port.
15385	25	CXA60	**Montevideo** - Urug.
15385	5/25/50/100		**Vatican Rad.** - Italy
15385	35/100		**VOA** - Tangier
15390	15/100		**Moscow** - USSR
15395	20		**Damascus** - Syria
15400	100		**Issoudun** - France
15400	50/60/100		**RAI, Rome** - Italy
15400	15/100		**Moscow** - USSR
15405	5	PZC	**Paramaribo** - Surinam
15410	35/100		**VOA** - Tangier
15410	15/100		**Moscow** - USSR
15410	7.5/100		**R. Fr. Eur.** - Germ.
15425	15		**Kotwijk** - Holland
15430	25		**R. France Asie** - Vietnam
15430	15/100		**Moscow** - USSR
15435	15/100	GWE	**BBC, London**
15435	7.5/100		**BFEBS, Singapore** Malaya
15440	50	WNBC	**Bound Brook** - USA
15440	35/50/100		**VOA** - Tangier
15440	15/100		**Moscow** - USSR
15447.5	15/100	GRD	**BBC, London**
15450	15/100		**Moscow** - USSR
15470	15/100		**Moscow** - USSR
15500	100		**Budapest** - Hung.
15505	1	CMA5	**Cuban Transatlant. R. Corp.** - Cuba
15525	20		**R. Cultura da Bahia** - Brazil
15540	15/100		**Moscow** - USSR
15595	1.5		**R. AEF** - Fr. Equat. Africa
15595	50		**Brazzaville** - Fr. Equat. Africa
15620	50		**Karachi** - Pakistan
15636	50		**R. Nacional** - Spain
15640	0.25	HSK8	**R. Thailand** - Thail.
15789	100		**R. Nacional** - Spain
17260	1	CMA5	**Cuban Transatl. R. Corp.** - Cuba
17445	5/25/50/100		**Vatican Rad.** - Italy
17677	1	CR5SB	**Sao Tome** - Portug.

17700—17900 kc/s — 16 metre band.

kc/s	kW	Call.	Stations
17700	15/100	GVP	**BBC, London**
17705	5/100	VUD	**AIR, Delhi** - India
17710	50		**Karachi** - Pakistan
17715	50		**Karachi** - Pakistan
17715	10	CXA57	**Montevideo** - Urug.
17715	15/100	GRA	**BBC, London**
17720	20	TAD	**R. Ankara** - Turkey
17725	40/50/100		**Cairo** - Egypt
17730	15/100	GVQ	**BBC, London**
17735	5/25/50/100		**Vatican City** - Italy
17740	50		**R. Nacional** - Port.
17740	15/100	GRQ	**BBC, London**
17740	5/100	VUD	**AIR, Delhi** - India
17750	50		**Karachi** - Pakistan

kc/s	kW	Call.	Stations
17750	15/100		**Moscow** - USSR
17750	50/80/100 WRUL		**R. Boston** - USA
17755	7.5/100		**BFEBS** - Malaya
17755	5/10/100	LKW	**Fredrikst.** - Norw.
17760	5/100	VUD	**AIR, Delhi** - India
17760	50/200	KNBH	**Dixon** - USA
17760	25/100	WGEO	**Schenectady** - USA
17770	50/60/100		**RAI Rome** - Italy
17770	50		**Karachi** - Pakistan
17770	50	WDSI	**Brentwood** - USA
17770	7.5	ZL5	**Wellington** - N. Z.
17775	40		**Lopik** 4 -Holland
17780	35/100		**VOA** - Tangier
17780	5/100	VUD	**AIR, Delhi** - India
17780	50/80/100 WRUL		**R. Boston** - USA
17780	50	WNBC	**Bound Brook** - USA
17780	50/200	KCBR	**Delano** - USA
17784	100	HER7	**Schwarzenburg** - Switzerland
17790	100	VLA/B17	**Shepparton** - Austr.
17790	50	VLC17	**Shepparton** - Austr.
17790	10	VLG17	**Lyndhurst** - Austr.
17790	15/100	GSG	**BBC, London**
17795	75/200	WLWO	**Bethany** - USA
17800	100	VLA/B17	**Shepparton** - Austr.
17800	10	VLG17	**Lyndhurst** - Austr.
17800	50	VLC17	**Shepparton** - Austr.
17800	10	OIX5	**Pori** - Finland
17800	50/60/100		**RAI, Rome** - Italy
17800	50/200	KNBH	**Dixon** - USA
17805	50	WNBC	**Bound Brook** - USA
17805	1.5	DZI6	**»The Call of the Orient«** - **Philipp.**
17810	15/100	GSV	**BBC, London**
17810	100	YDF4	**Djakarta** - Indon.
17810	15/100		**Moscow** - USSR
17815	20		**Deutsche Welle** - Germany
17820	50	CKNC	**R. Canada** - Canada
17820	7.5/35		**Colombo** - Ceylon
17820	100	TAV	**R. Ankara** - Turkey
17820	7.5	ZL14	**Wellington** - N. Z.
17820	1	COBZ	**R. Salas** - Cuba
17820	15/100		**Moscow** - USSR
17825	5/10/100	LLN	**Fredrikst.** - Norw.
17830	5/100	VUD	**AIR, Delhi** - India
17830	50/200	KNBH	**Dixon** - USA
17830	50	WDSI	**Brentwood** - USA
17830	15/100		**Moscow** - USSR
17835	7.5		**Dacca** - Pakistan
17835	50		**Karachi** - Pakistan
17840	100	VLA/B17	**Shepparton** - Austr.
17840	50	VLC17	**Shepparton** - Austr.
17840	10	VLG17	**Lyndhurst** - Austr.
17840	5/25/50/100		**Vatican R.** - Italy
17840	5/100	VUD	**AIR, Delhi** - India
17840	15/100		**Moscow** - USSR
17845	20		**Deutsche Welle** - Germany
17850	5/100	VUD	**AIR, Delhi** - India
17850	1	COBC	**R. Progreso** - Cuba
17850	100		**Allouis** - France
17850	50/200	KCBR	**Delano** - USA
17855	10	HJKR	**R. Nacional, Bogota** Colombia
17860	100	ORU3	**Bruxelles** - Belg.
17865	20		**Damascus** - Syria
17870	50		**R. Nacional** - Port.
17870	50/100	GRP	**BBC, London**
17880	15/100		**Moscow** - USSR
17880	50		**R. Nacional** - Port.
17890	50		**R. Nacional** - Port.
17890	15/100	GVO	**BBC, London**
17890	7.5/100		**BFEBS, Singapore** Malaya
17890	10	HCJB	**Voz de los Andes** - Ecuador
17895	25	CXA54	**Montevideo** - Urug.
17895	50		**R. Nacional** - Port.
17895	7.5/100		**R. Fr. Eur.** - Germ.
18750	100		**R. Nacional** - Spain
*20000	1	WWV	**Washington** - USA
21450—21750 kc/s — 13 metre band.			
21460	50/200	KNBH	**Dixon** - USA
21470	15/100	GSH	**BBC, London**
21480	7.5	ZL15	**Wellington** - N. Z.
21495	50		**R. Nacional** - Port.
21510	100	VUD	**AIR, Delhi** - India
21510	100	ORU4	**Bruxelles** - Belg.
21515	5/25/50/100		**Vatican R.** - Italy
21530	15/100	GSJ	**BBC, London**
21540	100	VLA/B21	**Shepparton** - Austr.
21540	50	VLC21	**Shepparton** - Austr.
21550	15/100	GST	**BBC, London** - Gt. Britain
21560	50/60/100		**RAI, Rome** - Italy
21570	50		**Karachi** - Pakistan
21580	50		**Karachi** - Pakistan
21580	7.5	ZL16	**Wellington** - N. Z.
21590	50		**Karachi** - Pakistan
21600	100	VLA/B21	**Shepparton** - Austr.
21600	50	VLC21	**Shepparton** - Austr.
21600	50	CKRP	**R. Canada** - Canada
21600	50	OBX4T	**R. Nacional** - Peru
21620	1	COCY	**R. Siboney** - Cuba
21630	50		**Karachi** - Pakistan
21630	15/100	GVT	**BBC, London**
21630	50/200	KCBR	**Delano** - USA
21640	100		**Allouis** - France
21640	15/100	GRZ	**BBC, London**
21650	75/200	WLWC	**Bethany** - USA
21660	50		**R. Nacional** - Port.
21660	100	TAX	**R. Ankara** - Turkey
21660	100	VUD	**AIR, Delhi** - India
21670	5	LLP	**Oslo** - Norway
21675	15/100	GVR	**BBC, London**
21680	100	VLA/B13	**Shepparton** - Austr.
21680	50	VLC21	**Shepparton** - Austr.
21690	50		**Karachi** - Pakistan
21690	50		**R. Nacional** - Port.
21700	50		**R. Nacional** - Port.
21700	5/100	VUD	**AIR, Delhi** - India
21710	15/100	GVS	**BBC, London**
21710	50	CHLA	**R. Canada** - Canada
21730	5	LLQ	**Oslo** - Norway
21740	5/25/50/100		**Vatican R.** - Italy
21740	100		**Allouis** - France
*25000	0.1	WWV	**Washington** - USA
25600—26100 kc/s — 11 metre band.			
25650	50		**R. Nacional** - Port.
25665	50		**R. Nacional** - Port.
25700	50		**R. Nacional** - Port.
25720	15/100	GSR	**BBC, London** -
25740	5/25/50/100		**Vatican R.** - Italy
25750	15/100	GSQ	**BBC, London**
25780	5/25/50/100		**Vatican R.** - Italy
25800	7.5	ZL6	**Wellington** - N. Z.
25840	15/100	GSS	**BBC, London**
25855	10	CXA65	**Montevideo** - Urug.
26000	7.5	ZL17	**Wellington** - N. Z.
26080	15/100	GSK	**BBC, London**

A DIRECTORY OF THE ADVERTISERS

AMPLIFIER CORPORATION OF AMERICA, 398 Broadway, New York 13, USA. Cable: "Amplifiers":

Manufacturers of portable, batteryoperated magnetic recorders.

See advertisement page 26.

RADIO AUSTRALIA – AUSTRALIAN BROADCASTING COMMISSION, Post Office Box 780 H.G.P.O., Melbourne, Australia:

See advertisement page 18 and text page 96.

BERLINGSKE TIDENDE, Pilestræde 34, Copenhagen:

See advertisement page 28.

CANADIAN BROADCASTING CORPORATION, INTERNATIONAL SERVICE, P.O. Box 6000, Montreal, Quebec, Canada:

See advertisement page 13 and text page 102–104.

COSMOCORD, LIMITED, Enfield, Middlesex, England:

Cosmocord are manufacturers of the world famous range of ACOS crystal gramophone pick-ups and microphones. The recently introduced ACOS "Hi-g" series of pick-ups has been specially designed to meet the difficult reproduction and tracking problems created by the latest types of microgroove records. These pick-ups will in fact track not only all present day records but those of the foreseeable future too, ensuring high fidelity reproduction with minimum record wear.

ACOS crystal microphones have been designed as high quality instruments for tape and disc recording, public address work and for the enthusiastic radio amateur. Hand, stand and desk models are available at the lowest possible prices consistent with their high quality.

See advertisement page 20.

COMPAGNIE FRANCAISE THOMSON – HOUSTON, Groupe Electronique, 173 Boulevard Haussmann, Paris VIII, France:

See advertisements page 39 – and back cover.

DANISH STATE RADIO, Radio House, Rosenørns Alle 22, Copenhagen V:

See advertisement page 2 and text page 37.

ELECTRIC AND MUSICAL INDUSTRIES LTD. (E.M.I.), INTERNATIONAL DEPARTMENT, Hayes, Middlesex, England:

The E.M.I. high fidelity magnetic tape recorder Model BTR/2 is intended to meet the most exacting requirements of professional technicians engaged in broadcasting, recording and research work, who require to record and reproduce sound with supreme accuracy. It is extensively used by the B.B.C. and many other leading broadcasting and recording organisations throughout the world.

Two versions are available, each giving a choice of two operating speeds, i.e. 15″ per second and 7½″ per second in the case of the

BTR/2A; or 30" per second and 15" per second in the case of the BTR/2B. The claim is justifiably made that E.M.I. has produced the best Tape Recorder yet devised as a result of their unequalled experience and knowledge in the science of sound recording and reproduction.
See advertisement second coverpage.

FRATHOM COMPANY, 32 West 42nd St., New York 36, N.Y., USA:
Browning Laboratories Inc.: Oscillocopes – Dunn Engineering Associates: Test instruments. – Green Instrument Company: Green Pantograph Engravers – Haumann Instrument Company: Electronic Flash Gun – Erik A. Lindgren and Associates: Protective screen enclosures Bronze and Copper – H.W. Leighton Laboratories: Medical Tubes – Mepco, Inc.: Precision Resistors – Microdot Division, Felts Corporation: Miniature Coaxial Cables and Connectors – Midwestern Geophysical Laboratories: Exploration and Flight Test Instruments – Millivac Instrument Corporation: Precision Meters – F. L. Moseley Company: XY Recorders – Penta Laboratories Inc.: Transmitting and special purpose tubes – Potter Instrument Company: Electronic counter and scalers – Resin Industries: Vinyl tapes, tubing and webbing – Sanborn Company: Direct Writing Industrial Recording Systems – San Fernando Electric Manufacturing Corporation: Precision Capacitors – Teletronics Laboratory Inc.: Testing Instruments – Volkers and Schaffer Manufacturing Corporation: Ultra Sensitive Oscillographs. –
Also full range of precision potentiometers and any type of transmitting and receiving instruments.
See advertisement page 24 and 25.

GATES RADIO COMPANY INTERNATIONAL DIVISION, 13 East 40th Street, New York 16, N.Y., USA:
See advertisement page 23.

THE GENERAL ELECTRIC COMPANY LTD. OF ENGLAND, Magnet House, Kingsway, London, W.C.2, England:
The products of the Valve and Electronics Dept., include Receiving and Transmitting Valves of all types, Germanium and Silicon Diodes, Transistors, Television and Industrial Cathode Ray Tubes and a large variety of Electronic Devices. The range of Audio Valves are universally known and includes the world famous KT.66 beam tetrode.
Recent additions to the Valve range include types for F.M. and V.H.F. reception and the KT.55 25 watt AC/DC output Tetrode with the high slope of 14 m A/V.
Full technical information on all Valve and Electronic products and particulars of a comprehensive technical Data Service can be obtained on application to the local G.E.C. Branch, or Agent, or direct from the Head Office in London.
See advertisement page 105.

HELIOWATT WERKE EAG, DEPT., NORA RADIO, Berlin-Charlottenburg, West-Berlin (Germany):
The well-known German radio factory Heliowatt Werke EAG, Berlin-Charlottenburg, has always exported its Nora receivers all over the world. At the end of the last World war this tradition was resumed to an increased extent. Thousands of Nora receiver have found enthusiastic purchasers everywhere. The high quality and performance of this receiver have made it necessary repeatedly to enlarge the export programme, so that the wishes of nearly all their customers can now be met.
Attention is drawn not only to the NORA export models NORETTE W637 and UNIVERSAL W648Z, full details of which are to be found on page 27, but also, for example, to Nora DUX W748, PAGANINI W648, and the popular NORA VOX W676, the super with bandspread. HELIOWATT WERKE will be happy to send further particulars on application to their address above.
See advertisement page 27.

INTERNATIONAL GENERAL ELECTRIC COMPANY, 570 Lexington Avenue, New York 22, N.Y., USA:
The following are the products manufactured and distributed by the Electronics Division: radio receivers, single and multiple band; television receivers; electronic tubes – receiving, transmitting, industrial; high fidelity components; commercial electronic equipment – broadcast, radio communication, test equipment; germanium diodes.
See advertisement page 17.

NATIONAL ASSOCIATION OF BROADCASTERS IN JAPAN:
See advertisement page 93.

NATIONAL COMPANY INC., 61 Sherman Street, Molden 48 Mass., USA: See advertisement page 32.

NEAR EAST ARAB BROADCASTING STATION, P.O.Box 219, Limassol, Cyprus: – See advertisement page 32 and text page 81.

PHILIPS TELECOMMUNICATION INDUSTRIES, Holland:
Long wave broadcast transmitters
Medium wave broadcast transmitters
Short wave broadcast transmitters
FM broadcast transmitters
Communication transmitters
Single sideband equipment
Link transmitters
Aerial systems
Ship's transmitters
Ship's receivers
Airfield equipment
Mobilophones
Portophones
Instantuners
Communications receivers
Civil radar
Military radar
TV transmitters
TV cameras
TV studio equipment
TV relay transmitters and receivers
TV outside pick-up equipment
Loading coils
Loading coil cases
2-wire and 4-wire amplifiers
Carrier telephone systems (on cables)
Carrier telephone systems (on open wires)
Modulation equipment for link transmitters
VF telegraph systems
Line telephony measuring equipment
Power plants
Private automatic branch exchanges
Automatic public telephone exchanges
Automatic telegraph exchanges
Manuel exchanges
Relays
Selectors
See advertisement page 19.

PHILIPS, EINDHOVEN, Holland: List of products:
Electronic Tubes and Semi-conductors – Industrial Components and Materials – Radio and Television Receivers – Gramophone Equipment – Gramophone Records – Radio Broadcasting and Television Transmitters – Television Studio Installations – Radar Equipment – Automatic and Line Telephony Installations – Amplifiers, Microphones and Loudspeakers – Cinema Equipment – Tape Recorders – Measuring Apparatus. – **See advertisements pages 14 and 15.**

RADIO CONTINENTE C.A., Bolsa a Padre Sierra 22 (Altos), Apartado de Correos 866, Caracas, Venezuela, South America:
See advertisement page 136 and text page 137.

RADIO NACIONAL DE ESPANA, Castellana No. 42, Madrid, Spain: – See advertisement page 60 and text page 61.

RADIO NORWAY, Suhmsgate 23, Oslo, Norway:
Radio Norway is a non-commercial enterprise operated by an independent organisation called NORSK RIKSKRINGKASTING (the Norwegian State Broadcasting System), the funds deriving from the listener's licence fee. – **See advertisement page 12 and text page 56.**

RADIO TEHERAN, DEPARTMENT OF PRESS AND INFORMATION, Tehran, Iran: – See advertisement page 30 and text page 81.

ROCKE INTERNATIONAL CORPORATION, 13 East, 40th Street, New York 16, N.Y., USA:
Complete range of broadcasting equipment, from the speech input systems to powerful broadcast and television transmitters (50 watts to 50 kW). Professional Magnetic Tape recorders, Automatic Broadcasting programming system, TV camera, Video recording system, VHF and UHF studio to transmitter radio links transmitter remote control systems, AM towers, microphones. Communications equipment including mobile, point-to-point, airborne communications systems, communications receivers and transmitters, and associated accessories.
See advertisements page 11.

SHARQ AL ADNA (NEAR EAST ARAB BROADCASTING STATION)
P.O. Box 219, Limassol, Cyprus:
See advertisement 32 and text page 81.

SOCIEDAD ESPANOLA DE RADIODIFUSION (S.E.R.), Avenida de José Antonio 32, Madrid, Spain:
See advertisement page 12 and text page 62.

STORNO,
Division of The Great Northern Telegraph Co. Ltd., Ved Amagerbanen 21, Copenhagen: – See advertisement page 21.

STRATTON AND CO. LTD.,
of Eddystone Works, Alvechurch Road, Birmingham 31, England manufacture a range of Short Wave Communication Receivers (and Short Wave Components) that are notable for their efficiency and reliability. Their Receivers cover V.H.F. FM and AM Models for professional use also Receivers specially designed for shipboard Cabin use and others for remote Outstations use. On several occasions Eddystone products have been used on scientific expeditions etc.

See advertisement page 22.

SWISS SHORTWAVE SERVICE,
Neuengasse 28, Berne, Switzerland:

The Swiss Shortwave Service, a branch of the Swiss Broadcasting Corporation—a non profit making organisation—has been in existence since the late thirties and has built itself up a wide listening audience in all parts of the world. One of its chief aims is to give objective news comment, emanating from this country whose neutrality permits impartiality and whose position in the centre of Europe provides an excellent observation point for world events. By utilising in its varied programmes the languages most commonly used as linguae francae all over the globe, the Swiss Shortwave Service spreads news and information about a country whose international leanings are well known, interprets the activities of its neighbours near and far, and thus attempts to contribute to lasting peace through understanding. An important function of the Swiss Shortwave Service is, in addition, to maintain a close link between the ten per cent of the Swiss population living abroad and the home country.
See advertisement page 6 and text page 64.

THE VOICE OF THE ANDES, INTERNATIONAL MISSIONARY STATION HCJB, Quito, Ecuador, South America° – **See advertisement page 32 and text page 130.**

WIRELESS WORLD, ILIFFE AND SONS,
Dorset House, Stamford Street, London S.E.1., England:

The leading source of information for technicians, designers and manufacturers in all branches of radio, television and electronics. Published monthly. Annual subscription: £1-7-0. Several technical books of inestimable value: **Foundations of Wireless** by M. G. Scroggie, B.S.C., M.J.E.E. 12/6 net (by post 13/-) **Introduction to Valves** by R-W. Hallows (cantab) M.J.E.E. 8/6 net (by post 8/10 d.) **Radio Laboratory Handbook** by M. G. Scroggie, B.S.C., M.J.E.E. 25/- net (by post 26/3). **Short Wave Radio and the Ionosphere** by T. W. Bennington (B.B.C.) 10/6 net (by post 10/10 d). – Complete list sent on application. – **See advertisement third coverpage.**

REPRESENTATIVES:

ENGLISH EDITION
Wm Dawson and Sons Ltd., Cannon House, Macklin Street, London WC2. – (Sole agents). – Surridge. Dawson and Co. Ltd., 101 Southwark Street, London SE1 (Gr. Britain).
Belgium: Agence et Messageries de la Presse, Rue du Persil 14 a 22, Bruxelles. – **Chile:** Paul Zschau, Casilla no. 2396, Santiago. – **Denmark:** Berlingske Forlag, Raadhuspladsen 55, København V. - **France:** Director Colas, Radio et Television 54, 26 rue Beaujon, Paris 8. – **French Equatorial Africa:** Madame Jean Coiquil, B. P. 983, Brazzaville. – **Goa:** (Portuguese India): A R Aguiar, rue Conde de Redondo, Fontainhas, Cidade de Goa. - **Iran:** Agence P.N.P., Box 454, Tehran. – **Italy:** Edizione Italiana, Via Arsenale 26, Torino – **New Zealand:** Technical Books, 11 Walter Street, Wellington. – Arthur T. Cushen, 212 Eastern Street, Invercargill. – **Norway:** A/S Narvesen, Kioskkomp., Oslo. – **Portugal:** Radio Nacional, Programa Official da Emissora Nacional. 5 rua Dr. Luiz de Almeida e Albuquerque, Lisboa. – **Sweden:** Importbokhandelen, Regeringsgatan 39, Stockholm. – **Switzerland:** Chr. Kobelt, Schweizer Radio-Zeitung, Zürich. – **U.S.A.:** Gilfer Associates, P.O. Box 239, Grand Central Station, New York 17, N.Y.
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GERMAN EDITION
Agency for advertisements to countries outside Germany:
World Radio Handbook, Lindorffsalle 1, Hellerup, Denmark. (Publisher: Kulturbuch Verlag, Berlin. Editor: B. H. Kettelhack, Berlin-Charlottenburg).

COOPERATING SHORTWAVE CLUBS
Austria: Austrian DX-Club, Landgutgasse 41/19, Vienna. – **Belgium: Union Belgian Amateur (UBA)**, P.O. Box 634, Brussels. – **Denmark: "Det nye Radioblad"s DX Club**, Vigerslev Allé, Valby. – **Finland: Brando DX Club**, Silversundsvägen 48, Brandö, Helsinki. – **Helsingfors DX Club**, Asvägen 4, Dickursby. – **France: Club des auditeurs de la Radio Mondiale** (Carm.), 1 rue Pasteur, Juvisy-sur-Orge, Seine-et-Oise. – **Gt. Britain: International Short Wave Club**, 100 Adams Gardens Estate, London SE 16. – **The International Short Wave League**, 86, Barrenger Road, London N 10. – **Japan: Japanese Short Wave Club**, Sendai. – **International DX League**, Kyoto Japan. – **New Zealand: N.Z DX Radio Association** (Inc.), 20 Marison St., Wellington C 2 (Publication "Tune in", 236 Blenheim Rd., Riccarton W2). – **N.Z. Radio DX League**, Headq., 15, Plunket St., Dunedin S. 2. Official Organ "New Zealand DX-Times", 111 Tay Street, Invercargill. – **Norway: Arctic Listener's Club**, Tromsø. – **Saar: Kurzwellen-Amateur-Club**, Box 310, Saarbrücken, Saar. – **Sweden: DX Club QRV**, Lötgatan 1, Eskilstuna. – **Eksjö DX-Club**, Spelmansgatan 11, Eksjö. – **Göteborgs DX Klubb**, Ocherögatan 3A, Göteborg W. – **Malmö Kortvågsklubb**, Postfack 7026, Malmö 7. – **Radioklubben Universal**, Klörupsvägen 144, Trelleborg. – **Scandinavian DX Clubb**, Postbox 20038, Stockholm 20. – **Sveriges Radioklubb** (Swedish Radio Club), Box 5083, Stockholm 5. – **Teknikens Världs Radioklubb**, Sveavägen 53, Stockholm, Vesterås DX-Club, Vesterås. – **U.S.A.: Newark News Radio Club**, 215 Market Street, Newark, Jersey (covers all DX: SW., Ham, B. C. B. etc.).
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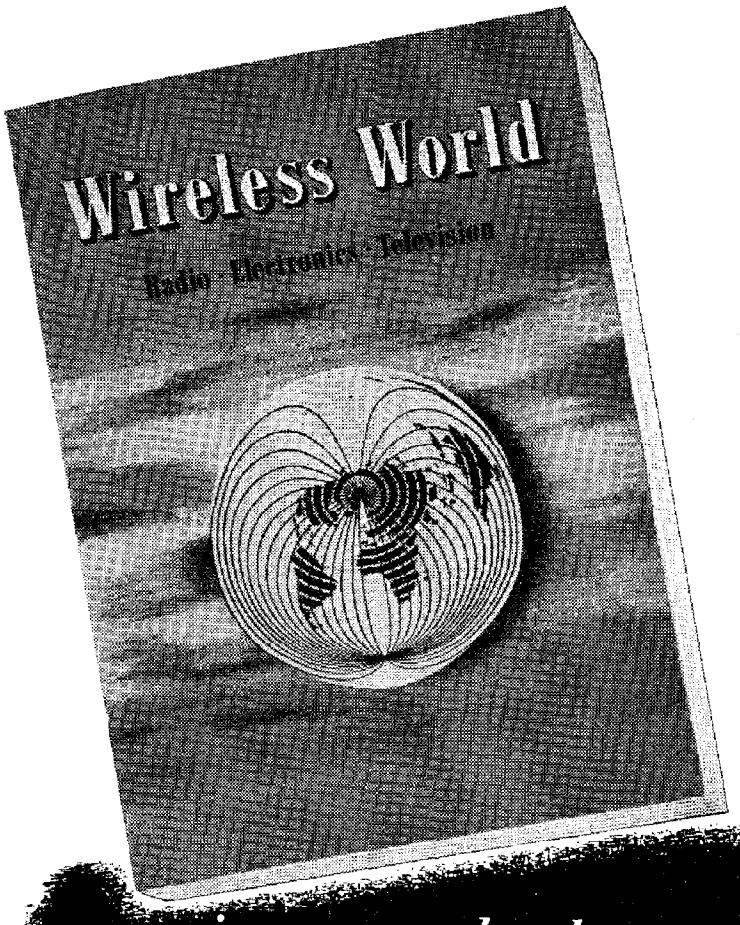
Thanks go to Ken Boord, Short-Wave Editor. RADIO & TELEVISION NEWS, 948 Stewartstown Road, Morgantown, West Virginia, U.S.A., for his cooperation in giving publicity to this edition of WRH. R & TVN, which circulates worldwide, is available for £ 4 a year to subscribers in U.S.A., Canada, Mexico, South America, in all other countries £ 5.



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